INTEGRITY
Fusion Products, Inc.

2026

Molded Butt Fusion Fitting Submittal Package

Integrity Fusion Products

Peachtree City, Georgia

1/1/2025

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INTEGRITY
Fusion Products, Inc.

Injection Molded Butt Fusion Fittings

Integrity Fusion Products offers a full line of injection molded **IPS** and **DIPS** HDPE Fittings that are manufactured in a variety of nominal pipe sizes and SDR's, in our manufacturing facility located in Peachtree City, GA. **Injection Molded HDPE Fittings** from Integrity Fusion Products are manufactured and tested to meet and/or exceed the requirements of **ASTM D2513**, **ASTM D3261**, and **ANSI/AWWA C901** and **C906**, and **FM 1613** ***(where applicable)*** for use with outside diameter-controlled polyethylene pipe and fittings conforming to **ASTM D2513**, **ASTM D3035**, and **ASTM F-714**. Integrity Fusion Product **Molded HDPE Fittings** can be heat fused or electrofused to any manufacturers' PE pipe, molded fittings, or fabricated fittings manufactured from material made from **PE3408** / **PE4710** / **PE100** resin that complies to **ASTM D3350**.

Molded HDPE Fitting
Product Specification Sheet

Molded PE3408 / PE4710 / PE100 HDPE Fittings

Molded HDPE Fittings, Flange Adapters, and MJ Adapters manufactured by Integrity Fusion Products in Peachtree City, GA, are all-purpose, injection molded **High-Density Polyethylene Fittings** that are designed and manufactured for use in applications that include, but are not limited to:

- **Oil and gas production**
- **Municipal potable water distribution and service lines**
- **Stormwater conveyance**
- **Irrigation**
- **Mining**
- **Cable**
- **Natural gas distribution**
- **Wastewater conveyance**
- **Drainage**
- **Industrial piping applications**
- **Landfill**
- **Telecom Conduit**

Integrity Fusion Products manufactures **Molded HDPE Fittings** in a variety of sizes, configurations and SDR's that are produced from virgin, pre-blended, NSF listed bi-modal black high density polyethylene resin that has a cell classification of **445574C-CC3** that conforms to **ASTM D3350** and is recognized by the Plastic Pipe Institute as having a **PE3408 / PE4710 / PE100** rating with an **HDB** (Hydrostatic Design Basis) of **1600 psi @ 73° F**.

Injection Molded HDPE Fittings from Integrity Fusion Products are manufactured, tested, certified, and listed in accordance with standards and requirements that meet a wide range of project requirements that include:

ASTM D2513	-	**Specification for Thermoplastic Gas Pressure Pipe, Tubing and Fittings**
ASTM D3350	-	**Specification for Polyethylene Plastic Pipes and Fittings Materials**
ASTM D3261	-	**Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Pipe and Tubing**
ASTM F714	-	**Specifications for HDPE Pipe Dimensions**
AWWA C901	-	**Polyethylene (Pe) Pressure Pipe and Tubing, 3/4 In. Through 3 In. For Water Service**
AWWA C906	-	**Polyethylene (Pe) Pressure Pipe and Tubing, 4 In. Through 65 In. For Water Works**
FM 1613	-	**Approval Standard: Plastic Pipe and Fittings for Underground Fire Protection Service**
ANSI/NSF 61	-	**Plastic Piping System Components & Related Materials**
ASTM F2880	-	**Specification for lap-Joint Type Flange Adapters for use on Polyethylene Pressure Pipe**

Integrity Fusion Products Injection Molded HDPE Fittings are tested in accordance with the following standard ASTM test methods.

ASTM D1598	-	**Time-to-Failure of Plastic Pipe Under Constant Internal Pressure.**
ASTM D1599	-	**Short-Term Hydraulic Pressure Failure of Plastic Pipe, Tubing and Fittings.**
ASTM D2122	-	**Test method for Determining Dimensions of Thermoplastic Pipe and Fittings.**

Injection Molded HDPE Fittings from Integrity Fusion Products can be heat fused to any manufacturers' PE pipe, molded fittings, or fabricated fittings manufactured from material made from **PE3408 / PE4710 / PE100** resin that complies with **ASTM D3350**.

Injection Molded HDPE Fittings from Integrity Fusion Products are designed for use on HDPE pressure pipe applications that conform to **ASTM F714**, **D2513** and **D3350** and are pressure rated according to industry guidelines for natural gas and water applications. **(TABLE 1)**

Conditions for the Required De-Rating of a Molded Fittings MAOP

The material strength of High-Density Polyethylene is inversely dependent on temperature, and its strength decreases at elevated temperatures. The **Maximum Allowable Operating Pressures (MAOP)** for molded PE4710 fittings ***must be de-rated for elevated temperatures in all service applications***, **(see TABLE 2)**, including for use in Oil & Gas Gathering Systems installed in Class 1 or Class 2 locations (low population areas not subject to DOT CFR *Title 49 Part 192* regulations) or where Federal Codes do not apply. ***Including Water, Brine, Dry Natural Gas applications with NO associated hydrocarbons***.

Pressure Rating of IntegriFuse PE4710 Molded Fittings

Fitting SDR (Standard Dimension Ration)	MAOP (Design Factor of .63)	MAOP (Gas) (Design Factor of .40)
7/9	333/250	125/125
11/17	200/125	125/80
21	100	64

NOTE: Pressure ratings are based on an operating temperature of up to 73° ambient temperature and will need to be reduced for higher temperatures and certain applications.

TABLE 1

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Molded HDPE Fitting
Product Specification Sheet

API Specification 15LE (1995) states "In most circumstances, the HDB obtained at 73° F can be used for applications up to 100° F without further derating" Values in this table use a material design factor of .63 and a Fluid Service Factor of 1.0

The maximum pressure testing and operating temperature of Integrity Fusion Products PE4710 Molded Fittings ***should not exceed 140° F.***

Derating PE4710 Fitting MAOP by SDR and Operating Temperature						
Temperature Range	>60° F to ≤80° F	>81° F to ≤90° F	>91° F to ≤110° F	>111° F to ≤130° F	>131° F to ≤140° F	>140° F
f_T Multiplier	1.00	0.90	0.80	0.70	0.60	X
SDR 7	333 psi	300 psi	267 psi	233 psi	200 psi	X
SDR 9	250 psi	225 psi	200 psi	175 psi	150 psi	X
SDR 11	200 psi	180 psi	160 psi	140 psi	120 psi	X
SDR 17	125 psi	113 psi	100 psi	88 psi	75 psi	X
Values in Table 2 use Multipliers and Pressure Ratings calculated using *Plastic Pipe Institute HDPEAPP (https://hdpeapp.com/#/pipe)*						

TABLE 2

Dry, gaseous hydrocarbons have no adverse effect on our molded fittings normal expected service life, and naturally occurring chemicals in the soil will not attack or cause our fittings to degrade. They do not rust, rot, or corrode; they naturally resist the buildup of scale and other deposits, and they do not support the growth of algae, bacteria, fungi, or other marine life. ***HOWEVER, should the fitting be installed in an application where permeating or solvating liquids are present in the pipe or the surrounding soil, such as gasoline, fuel oil, kerosene, crude oil, diesel fuel, liquid hydrocarbons fuels, oilfield production water containing hydrocarbons, and vegetable and mineral oils; the MAOP of the fitting must be further derated.***

Table 3 reflects an added derated MAOP for an HDPE 4710 molded, or molded electrofusion fitting when installed into services and applications subjected to an extended exposure of liquid hydrocarbon concentrations of 2% and greater.

Derating PE4710 Fitting MAOP by SDR for Operating Temperature and Transporting a Media Containing 2% or Greater Hydrocarbon Content						
Temperature Range	>60° F to ≤80° F	>81° F to ≤90° F	>91° F to ≤110° F	>111° F to ≤130° F	>131° F to ≤140° F	>140° F
f_T Multiplier	1.00	0.90	0.80	0.70	0.60	X
SDR 7	166 psi	150 psi	267 psi	116 psi	100 psi	X
SDR 9	125 psi	225 psi	100 psi	175 psi	75 psi	X
SDR 11	100 psi	112 psi	80 psi	70 psi	60 psi	X
SDR 17	62 psi	56 psi	50 psi	44 psi	37 psi	X
Values in Table 3 use an additional fluid service factor of 0.50						

TABLE 3

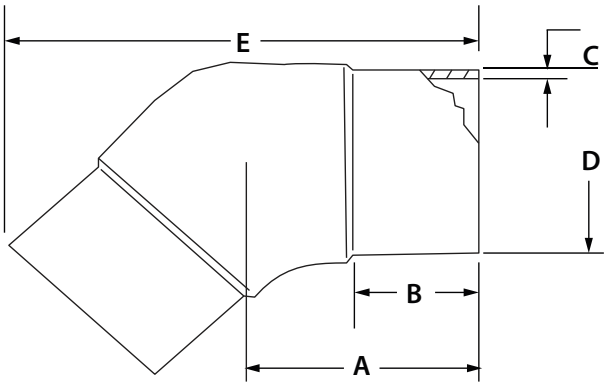
Fluid Service Factors

Production Water, Brine, Process Water with no associated liquid hydrocarbons	**1.0**
Dry Natural Gas (no hydrocarbon liquids used in Class 1 and Class 2 locations and in low population area not subject to DOT CFR *Title 49 part 192*	**1.0**
Crude Oil, Wet Natural Gas, Liquid Hydrocarbons, Process Water with >2% liquid hydrocarbons	**.5**
Gas Distribution piping that is permeated by solvating chemicals, liquid hydrocarbons or liquified gas condensate	**.5**

Injection Molded Fittings from Integrity Fusion Products have a strong resistance to chemical compounds. For more information on the chemical resistance of PE4710 resin, please reference PPI Technical Report TR-19.

Injection Molded Fittings can be stored outdoors but it is highly recommended that **they** be stored indoors in their original packaging. Black HDPE fittings stored properly indoors have unlimited shelf life.

Molded 45° Butt Fusion Elbow Dimension Sheet



CERTIFIED TO NSF/ANSI 61 SECTION 4 NSF/ANSI 372

FM APPROVED

MADE IN THE USA

BABA COMPLIANT

Product Family:	Injection Molded Butt Fusion Fitting	**Fitting Design:**	45° Elbow
Resin Status:	NSF Listed Bi-Modal Virgin Resin	**Nominal Pipe Sizes:**	2" – 12"
Resin Type:	ASTM D3350 designated PE3408/PE4710/PE100	**Nominal Pipe Standards:**	IPS and DIPS
Resin Cell Class:	445574C-CC3	**Currently Available SDR's:**	17, 11, 9, 7
Manufactured and tested to meet requirements of:	ASTM D2513, ASTM D3261, ANSI/AWWA C901 & C906, FM 1613, NSF 61		
For use on pipe and fittings conforming to:	ASTM D2513, ASTM D3035, ASTM F-714		

For Material and Testing information, please refer to our Molded Fitting Specification Sheet.

IPS

SDR 17 (standard dimension ratio) — **125 PSI** (MAOP @ 73.4° F)

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	3.40	2.58	0.18	2.38	6.92	0.20	100002	-----
3" IPS	4.46	3.52	0.26	3.50	9.42	0.85	100006	-----
4" IPS	5.14	4.10	0.33	4.50	11.52	1.50	100010	-----
6" IPS	6.46	4.70	0.49	6.63	14.26	4.40	100014	-----
8" IPS	7.18	5.88	0.64	8.63	17.16	8.15	100018	-----
10" IPS	8.60	6.62	0.80	10.75	20.34	15.85	100022	-----
12" IPS	9.34	7.58	0.94	12.75	22.72	22.10	100024	-----

IPS

SDR 11 (standard dimension ratio) — **200 PSI** (MAOP @ 73.4° F)

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	3.40	2.58	0.22	2.38	6.92	0.40	100001	FM 200
3" IPS	4.46	3.52	0.32	3.50	9.42	1.20	100005	FM 200
4" IPS	5.14	4.10	0.41	4.50	11.52	2.40	100009	FM 200
6" IPS	6.46	4.70	0.60	6.63	14.26	6.10	100013	FM 200
8" IPS	7.18	5.88	0.78	8.63	17.16	12.60	100017	FM 200
10" IPS	8.60	6.62	0.98	10.75	20.34	22.25	100021	FM 200
12" IPS	9.34	7.58	1.16	12.75	22.72	35.70	100023	FM 200

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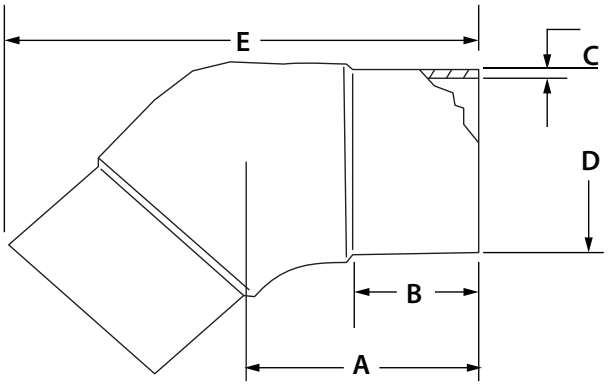
Molded 45° Butt Fusion Elbow Dimension Sheet



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FM APPROVED

MADE IN THE USA

BABA COMPLIANT

IPS

SDR 9 (standard dimension ratio) — **255 PSI** (MAOP @ 73.4° F)

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	3.40	2.58	0.26	2.38	6.92	0.40	100004	FM 250
3" IPS	4.46	3.52	0.39	3.50	9.42	1.50	100008	FM 250
4" IPS	5.14	4.10	0.50	4.50	11.52	2.60	100012	FM 250
6" IPS	6.46	4.70	0.74	6.63	14.26	7.05	100016	FM 250
8" IPS	7.18	5.88	0.96	8.63	17.16	14.95	100020	FM 250
10" IPS	8.60	6.62	1.19	10.75	20.34	16.40	100030	-----
12" IPS	9.34	7.58	1.42	12.75	22.72	41.10	100043	-----

IPS

SDR 7 (standard dimension ratio) — **335 PSI** (MAOP @ 73.4° F)

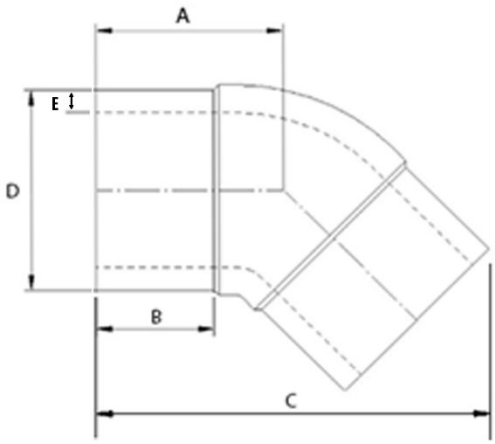
Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	3.40	2.58	0.34	2.38	6.92	0.65	100003	FM 335
3" IPS	4.46	3.52	0.50	3.50	9.42	1.75	100007	FM 335
4" IPS	5.14	4.10	0.64	4.50	11.52	3.30	100011	FM 335
6" IPS	6.46	4.70	0.95	6.63	14.26	8.35	100015	FM 335
8" IPS	7.18	5.88	1.23	8.63	17.16	18.25	100019	FM 335
10" IPS	8.60	6.62	1.54	10.75	20.34	33.05	100035	-----
12" IPS	9.34	7.58	1.82	12.75	22.72	51.10	100044	-----

DIPS

SDR 11 (standard dimension ratio) — **200 PSI** (MAOP @ 73.4° F)

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
4" DIPS	5.48	4.10	0.44	4.80	11.70	2.60	100025	FM 200
6" DIPS	6.50	5.10	0.63	6.90	15.20	7.05	100026	FM 200
8" DIPS	8.32	5.20	0.82	9.05	17.56	14.65	100027	FM 200
10" DIPS	7.60	6.10	1.01	11.10	19.74	23.35	100028	FM 200
12" DIPS	9.28	9.16	1.20	13.20	23.70	39.65	100029	FM 200

Molded Large Diameter
45° Butt Fusion Elbow Dimension Sheet



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TAA COMPLIANT

Large Diameter Elbows and Tees are not BABA Compliant

Product Family:	**Injection Molded Butt Fusion Fitting**	**Fitting Design:**	**45° Elbow**
Resin Status:	**NSF Listed Virgin Bi-Modal Resin**	**Nominal Pipe Sizes:**	**14", 16", 20"**
Resin Type:	**ASTM D3350 designated PE3408/PE4710/PE100**	**Nominal Pipe Standard:**	**IPS**
Resin Cell Class:	**445574C-CC3**	**Currently Available SDR's:**	**11**
Manufactured and tested to meet requirements of:	**ASTM D2513, ASTM D3261, ANSI/AWWA C901 & C906, FM 1613, NSF 61**		
For use on pipe and fittings conforming to:	**ASTM D2513, ASTM D3035, ASTM F-714**		

For Material and Testing information, please refer to our Molded Fitting Specification Sheet.

Nominal Size	A	B	C	D	E	Weight	Item Code	SDR	FM Class
14" IPS	10.51	6.50	21.02	14.00	1.391	42.77	100035	11	200
16" IPS	12.20	7.17	24.40	16.00	1.582	59.52	100037	11	200
18" IPS	-----	-----	-----	-----	-----	-----	-----	N/A	N/A
20" IPS	14.76	8.74	29.52	24.00	1.964	143.30	100041	11	200
24" IPS	-----	-----	-----	-----	-----	-----	-----	N/A	N/A

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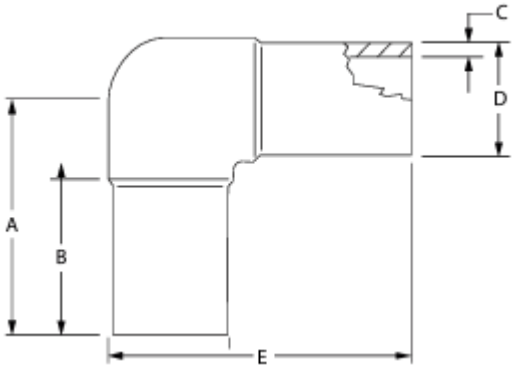
Molded 90° Butt Fusion Elbow Dimension Sheet



Product Family:	Injection Molded Butt Fusion Fitting	**Fitting Design:**	90° Elbow
Resin Status:	NSF Listed Bi-Modal Virgin Resin	**Nominal Pipe Sizes:**	2" – 12"
Resin Type:	ASTM D3350 designated PE3408/PE4710/PE100	**Nominal Pipe Standard:**	IPS and DIPS
Resin Cell Class:	445574C-CC3	**Currently Available SDR's:**	17, 11, 9, 7
Manufactured and tested to meet requirements of:	ASTM D2513, ASTM D3261, ANSI/AWWA C901 & C906, FM 1613, NSF 61		
For use on pipe and fittings conforming to:	ASTM D2513, ASTM D3035, ASTM F-714		

For Material and Testing information, please refer to our Molded Fitting Specification Sheet.

IPS

SDR 17 (standard dimension ratio) — **125 PSI** (MAOP @ 73.4° F)

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	4.72	3.22	0.18	2.38	5.88	0.40	100106	-----
3" IPS	6.50	4.14	0.26	3.50	8.00	1.10	100110	-----
4" IPS	6.94	4.10	0.33	4.50	9.16	1.95	100114	-----
6" IPS	8.80	4.94	0.49	6.63	12.26	4.40	100118	-----
8" IPS	11.25	5.95	0.64	8.63	15.68	12.10	100122	-----
10" IPS	13.60	6.64	0.80	10.75	18.68	22.00	100126	-----
12" IPS	15.72	7.22	0.94	12.75	21.74	22.10	100128	-----

IPS

SDR 11 (standard dimension ratio) — **200 PSI** (MAOP @ 73.4° F)

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
¾ IPS	3.08	2.06	0.10	1.05	3.68	0.10	100100	-----
1" IPS	3.26	2.06	0.12	1.32	4.00	0.20	100101	-----
1 ¼" IPS	3.40	1.90	0.15	1.66	4.28	0.25	100102	-----
1 ½" IPS	3.96	2.32	0.17	1.90	5.00	0.40	100103	-----
2" IPS	4.72	3.22	0.22	2.38	5.88	0.60	100105	FM 200
3" IPS	6.50	4.14	0.32	3.50	8.00	1.65	100109	FM 200
4" IPS	6.94	4.10	0.41	4.50	9.16	2.10	100113	FM 200
6" IPS	8.80	4.94	0.60	6.63	12.26	6.10	100117	FM 200
8" IPS	11.25	5.95	0.78	8.63	15.68	16.30	100121	FM 200
10" IPS	13.60	6.64	0.98	10.75	18.68	30.20	100125	FM 200
12" IPS	15.72	7.22	1.16	12.75	21.74	48.90	100127	FM 200

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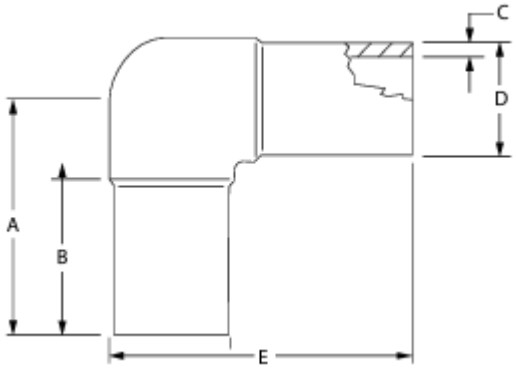
Molded 90° Butt Fusion Elbow Dimension Sheet



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FM APPROVED

MADE IN THE USA

BABA COMPLIANT

IPS

SDR 9 (standard dimension ratio) — **255 PSI** (MAOP @ 73.4° F)

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	4.72	3.22	0.26	2.38	5.88	0.65	100108	FM 250
3" IPS	6.50	4.14	0.39	3.50	8.00	1.95	100112	FM 250
4" IPS	6.94	4.10	0.50	4.50	9.16	3.05	100116	FM 250
6" IPS	8.80	4.94	0.74	6.63	12.26	8.80	100120	FM 250
8" IPS	11.25	5.95	0.96	8.63	15.68	20.05	100124	FM 250
10" IPS	13.60	6.64	1.19	10.75	18.68	34.70	100136	-----
12" IPS	15.72	7.22	1.42	12.75	21.74	57.30	100134	-----

IPS

SDR 7 (standard dimension ratio) — **335 PSI** (MAOP @ 73.4° F)

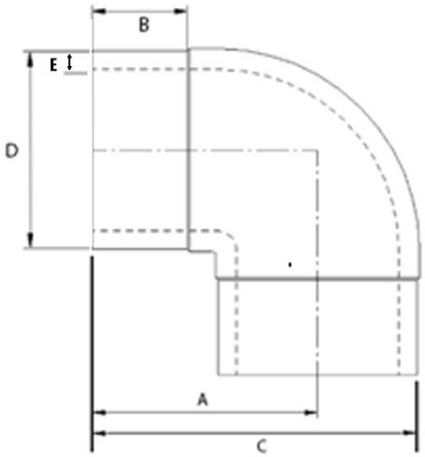
Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	4.72	3.22	0.34	2.38	5.88	0.85	100107	FM 335
3" IPS	6.50	4.14	0.50	3.50	8.00	2.20	100111	FM 335
4" IPS	6.94	4.10	0.64	4.50	9.16	4.00	100115	FM 335
6" IPS	8.80	4.94	0.95	6.63	12.26	10.80	100119	FM 335
8" IPS	11.25	5.95	1.23	8.63	15.68	23.80	100123	FM 335
10" IPS	13.60	6.64	1.54	10.75	18.68	43.65	100137	-----
12" IPS	15.72	7.22	1.82	12.75	21.74	69.00	100135	-----

DIPS

SDR 11 (standard dimension ratio) — **200 PSI** (MAOP @ 73.4° F)

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
4" DIPS	7.55	4.10	0.44	4.80	10.04	3.20	100129	FM 200
6" DIPS	9.67	5.10	0.63	6.90	13.34	8.70	100130	FM 200
8" DIPS	11.53	5.00	0.82	9.05	15.72	9.00	100131	FM 200
10" DIPS	13.28	6.14	1.01	11.10	18.50	31.30	100132	FM 200
12" DIPS	15.40	7.68	1.20	13.20	22.24	54.00	100133	FM 200

Molded Large Diameter
90° Butt Fusion Elbow Dimension Sheet



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FM APPROVED

TAA COMPLIANT

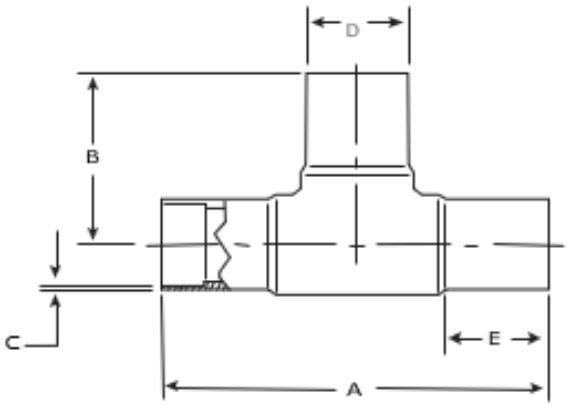
Large Diameter Elbows and Tees are not BABA Compliant

Product Family:	**Injection Molded Butt Fusion Fitting**	**Fitting Design:**	**90° Elbow**
Resin Status:	**NSF Listed Virgin Bi-Modal Resin**	**Nominal Pipe Sizes:**	**14", 16", 20"**
Resin Type:	**ASTM D3350 designated PE3408/PE4710/PE100**	**Nominal Pipe Standard:**	**IPS**
Resin Cell Class:	**445574C-CC3**	**Currently Available SDR's:**	**11**
Manufactured and tested to meet requirements of:	**ASTM D2513, ASTM D3261, ANSI/AWWA C901 & C906, FM 1613, NSF 61**		
For use on pipe and fittings conforming to:	**ASTM D2513, ASTM D3035, ASTM F-714**		

For Material and Testing information, please refer to our Molded Fitting Specification Sheet.

Nominal Size	A	B	C	D	E	Weight	Item Code	SDR	FM Class
14" IPS	14.88	6.73	21.88	14.00	1.391	55.11	100150	11	200
16" IPS	16.50	7.40	24.50	16.00	1.582	83.78	100152	11	200
18" IPS	-----	-----	-----	-----	-----	-----	-----	N/A	N/A
20" IPS	22.64	8.86	32.64	20.00	1.964	189.60	100156	11	200
24" IPS	-----	-----	-----	-----	-----	-----	-----	N/A	N/A

Molded Butt Fusion Equal Tee Dimension Sheet



CERTIFIED TO NSF/ANSI 61 SECTION 4 NSF/ANSI 372

FM APPROVED

MADE IN THE USA

BABA COMPLIANT

Product Family:	Injection Molded Butt Fusion Fitting	**Fitting Design:**	Equal Tee
Resin Status:	NSF Listed Bi-Modal Virgin Resin	**Nominal Pipe Sizes:**	3/4" – 12"
Resin Type:	ASTM D3350 designated PE3408/PE4710/PE100	**Nominal Pipe Standard:**	IPS and DIPS
Resin Cell Class:	445574C-CC3	**Currently Available SDR's:**	17, 11, 9, 7

Manufactured and tested to meet requirements of:	ASTM D2513, ASTM D3261, ANSI/AWWA C901 & C906, FM 1613, NSF 61
For use on pipe and fittings conforming to:	ASTM D2513, ASTM D3035, ASTM F-714

For Material and Testing information, please refer to our Molded Fitting Specification Sheet.

IPS

SDR 17 (standard dimension ratio) — **125 PSI** (MAOP @ 73.4° F)

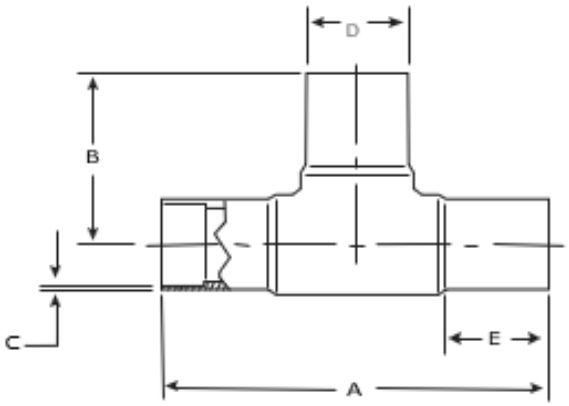
Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	9.10	4.75	0.18	2.38	2.70	0.65	100733	-----
3" IPS	11.84	6.00	0.26	3.50	3.50	1.50	100709	-----
4" IPS	13.85	7.00	0.33	4.50	4.00	1.50	100713	-----
6" IPS	18.11	9.06	0.49	6.63	4.72	7.50	100717	-----
8" IPS	23.40	11.60	0.64	8.63	5.70	16.50	100721	-----
10" IPS	24.40	12.38	0.80	10.75	5.25	27.55	100725	-----
12" IPS	31.00	15.50	0.94	12.75	7.10	46.95	100727	-----

IPS

SDR 11 (standard dimension ratio) — **200 PSI** (MAOP @ 73.4° F)

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
¾ IPS	6.40	3.25	0.10	1.05	2.00	0.15	100700	-----
1" IPS	6.60	3.25	0.12	1.32	2.00	0.20	100701	-----
1 ¼" IPS	7.10	3.50	0.15	1.66	2.00	0.35	100702	-----
1 ½" IPS	8.10	4.10	0.17	1.90	2.50	0.50	100704	-----
2" IPS	9.10	4.75	0.22	2.38	2.70	1.00	100705	FM 200
3" IPS	11.84	6.00	0.32	3.50	3.50	2.20	100708	FM 200
4" IPS	13.85	7.00	0.41	4.50	4.00	3.95	100712	FM 200
6" IPS	18.11	9.06	0.60	6.63	4.72	40.50	100716	FM 200
8" IPS	23.40	11.60	0.78	8.63	5.70	23.35	100720	FM 200
10" IPS	24.40	12.38	0.98	10.75	5.25	38.55	100724	FM 200
12" IPS	31.00	15.50	1.16	12.75	7.10	65.65	100726	FM 200

Molded Butt Fusion Equal Tee Dimension Sheet



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FM APPROVED

MADE IN THE USA

BABA COMPLIANT

IPS

SDR 9 (standard dimension ratio) **255 PSI (MAOP @ 73.4° F)**

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	9.10	4.75	0.26	2.38	2.70	0.85	100707	FM 250
3" IPS	11.84	6.00	0.39	3.50	3.50	2.40	100711	FM 250
4" IPS	13.85	7.00	0.50	4.50	4.00	4.60	100715	FM 250
6" IPS	18.11	9.06	0.74	6.63	4.72	14.95	100719	FM 250
8" IPS	23.40	11.60	0.96	8.63	5.70	27.75	100723	FM 250
10" IPS	24.40	12.38	1.19	10.75	5.25	47.80	100736	-----
12" IPS	31.00	15.50	1.42	12.75	7.10	86.60	100737	-----

IPS

SDR 7 (standard dimension ratio) **335 PSI (MAOP @ 73.4° F)**

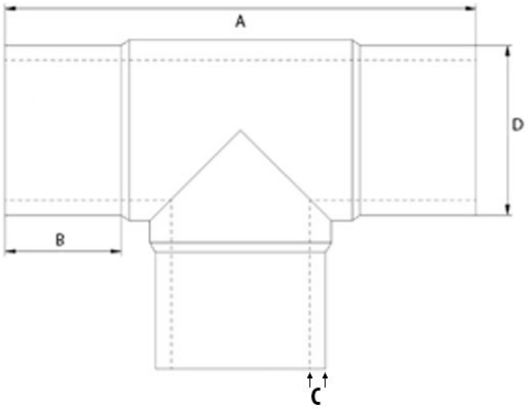
Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	9.10	4.75	0.34	2.38	2.70	1.10	100706	FM 335
3" IPS	11.84	6.00	0.50	3.50	3.50	2.85	100710	FM 335
4" IPS	13.85	7.00	0.64	4.50	4.00	5.50	100714	FM 335
6" IPS	18.11	9.06	0.95	6.63	4.72	14.95	100718	FM 335
8" IPS	23.40	11.60	1.23	8.63	5.70	32.60	100722	FM 335
10" IPS	24.40	12.38	1.54	10.75	5.25	58.85	100735	-----
12" IPS	31.00	15.50	1.82	12.75	7.10	97.20	100734	-----

DIPS

SDR 11 (standard dimension ratio) **200 PSI (MAOP @ 73.4° F)**

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
4" DIPS	15.50	7.75	0.44	4.80	4.10	4.85	100728	FM 200
6" DIPS	19.25	9.67	0.63	6.90	5.10	11.90	100729	FM 200
8" DIPS	23.15	11.58	0.82	9.05	5.20	24.70	100730	FM 200
10" DIPS	24.60	12.20	1.01	11.10	5.11	37.65	100731	FM 200
12" DIPS	28.45	14.17	1.20	13.20	6.00	72.05	100732	FM 200

Molded Large Diameter
Butt Fusion Equal Tee Dimension Sheet



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FM APPROVED

TAA COMPLIANT

Large Diameter Elbows and Tees are not BABA Compliant

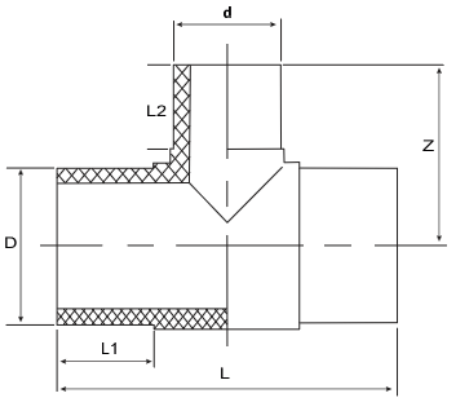
Product Family:	**Injection Molded Butt Fusion Fitting**	**Fitting Design:**	**Equal Tee**
Resin Status:	**NSF Listed Virgin Bi-Modal Resin**	**Nominal Pipe Sizes:**	**14" – 24"**
Resin Type:	**ASTM D3350 designated PE3408/PE4710/PE100**	**Nominal Pipe Standard:**	**IPS**
Resin Cell Class:	**445574C-CC3**	**Currently Available SDR's:**	**11**
Manufactured and tested to meet requirements of:	**ASTM D2513, ASTM D3261, ANSI/AWWA C901 & C906, FM 1613, NSF 61**		
For use on pipe and fittings conforming to:	**ASTM D2513, ASTM D3035, ASTM F-714**		

For Material and Testing information, please refer to our Molded Fitting Specification Sheet.

Nominal Size	A	B	C	D	Weight	Item Code	SDR	FM Class
14" IPS	31.50	6.50	1.391	14.00	88.18	100750	11	200
16" IPS	34.65	7.09	1.582	16.00	125.66	100752	11	200
18" IPS	38.74	7.87	1.773	18.00	180.78	100754	11	200
20" IPS	42.91	8.66	1.964	20.00	238.01	100756	11	200
24" IPS	51.57	10.04	2.345	20.00	423.29	7000008	11	200

No Need to be de-rated like fabricated fittings

Molded Butt Fusion Reducing Tee Dimension Sheet



Product Family:	**Injection Molded Butt Fusion Fitting**	**Fitting Design:**	**Reducing Tee**
Resin Status:	**NSF Listed Bi-Modal Virgin Resin**	**Nominal Primary Pipe Sizes:**	**3" – 12"**
Resin Type:	**ASTM D3350 designated PE3408/PE4710/PE100**	**Nominal Pipe Standard:**	**IPS**
Resin Cell Class:	**445574C-CC3**	**Currently Available SDR's:**	**17, 11**
Manufactured and tested to meet requirements of:	**ASTM D2513, ASTM D3261, ANSI/AWWA C901 & C906, FM 1613, NSF 61**		
For use on pipe and fittings conforming to:	**ASTM D2513, ASTM D3035, ASTM F-714**		

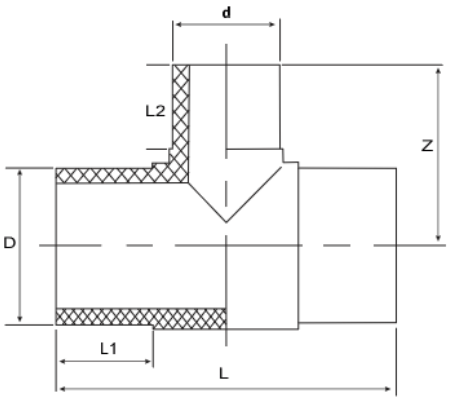
For Material and Testing information, please refer to our Molded Fitting Specification Sheet.

IPS

SDR 17 (standard dimension ratio) **125 PSI (MAOP @ 73.4° F)**

Nominal Size	L [in.]	D [in.]	d [in.]	L1 [in.]	L2 [in.]	Z [ins.]	Weight	Item Code	FM Class
3 x 2 IPS	11.82	3.50	2.38	3.50	2.95	5.75	1.30	100801	-----
4 x 2 IPS	13.85	4.50	2.38	4.00	3.00	6.25	2.40	100803	-----
4 x 3 IPS	13.85	4.50	3.50	4.00	3.50	6.80	2.60	100805	-----
6 x 2 IPS	18.00	6.63	2.38	4.75	3.90	8.10	6.60	100807	-----
6 x 3 IPS	18.00	6.63	3.50	4.75	3.50	8.70	6.80	100809	-----
6 x 4 IPS	18.00	6.63	4.50	4.75	4.00	8.30	6.80	100811	-----
8 x 2 IPS	23.40	8.63	2.38	5.75	3.00	10.60	13.65	100813	-----
8 x 3 IPS	23.40	8.63	3.50	5.75	3.50	11.00	14.75	100815	-----
8 x 4 IPS	23.40	8.63	4.50	5.75	3.92	10.50	15.00	100817	-----
8 x 6 IPS	23.30	8.63	6.63	5.75	4.70	11.50	15.85	100819	-----
10 x 4 IPS	26.88	10.75	4.50	6.40	4.00	12.32	24.25	100821	-----
10 x 6 IPS	26.88	10.75	6.63	6.40	4.70	12.34	25.10	100823	-----
10 x 8 IPS	30.82	10.75	8.63	6.40	5.50	12.80	26.65	100825	-----
12 x 6 IPS	30.82	12.75	6.63	7.10	4.70	14.00	41.40	100827	-----
12 x 8 IPS	30.82	12.75	8.63	7.10	5.70	14.94	43.20	100829	-----
12 x 10 IPS	31.90	12.75	10.75	7.10	6.30	15.50	46.50	100831	-----

Molded Butt Fusion Reducing Tee Dimension Sheet



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BABA COMPLIANT

IPS

SDR 11 (standard dimension ratio) — **200 PSI** (MAOP @ 73.4° F)

Nominal Size	L [in.]	D [in.]	d [in.]	L1 [in.]	L2 [in.]	Z [ins.]	Weight	Item Code	FM Class
3 x 2 IPS	11.82	3.50	2.38	3.50	2.95	5.75	1.95	100800	FM 200
4 x 2 IPS	13.85	4.50	2.38	4.00	3.00	6.25	2.40	100802	FM 200
4 x 3 IPS	13.85	4.50	3.50	4.00	3.50	6.80	3.50	100804	FM 200
6 x 2 IPS	18.00	6.63	2.38	4.75	3.90	8.10	6.20	100806	FM 200
6 x 3 IPS	18.00	6.63	3.50	4.75	3.50	8.70	9.25	100808	FM 200
6 x 4 IPS	18.00	6.63	4.50	4.75	4.00	8.30	9.25	100810	FM 200
8 x 2 IPS	23.40	8.63	2.38	5.75	3.00	10.60	18.70	100812	FM 200
8 x 3 IPS	23.40	8.63	3.50	5.75	3.50	11.00	19.60	100814	FM 200
8 x 4 IPS	23.40	8.63	4.50	5.75	3.92	10.50	19.60	100816	FM 200
8 x 6 IPS	23.30	8.63	6.63	5.75	4.70	11.50	21.60	100818	FM 200
10 x 4 IPS	26.88	10.75	4.50	6.40	4.00	12.32	32.80	100820	FM 200
10 x 6 IPS	26.88	10.75	6.63	6.40	4.70	12.34	34.60	100822	FM 200
10 x 8 IPS	30.82	10.75	8.63	6.40	5.50	12.80	36.55	100824	FM 200
12 x 6 IPS	30.82	12.75	6.63	7.10	4.70	14.00	55.75	100826	FM 200
12 x 8 IPS	30.82	12.75	8.63	7.10	5.70	14.94	59.05	100828	FM 200
12 x 10 IPS	31.90	12.75	10.75	7.10	6.30	15.50	52.30	100830	FM 200

IPS

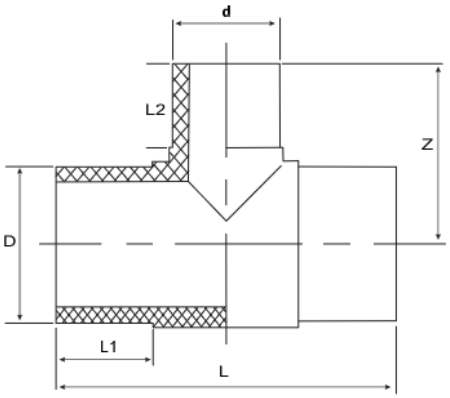
SDR 9 (standard dimension ratio) — **255 PSI** (MAOP @ 73.4° F)

Nominal Size	L [in.]	D [in.]	d [in.]	L1 [in.]	L2 [in.]	Z [ins.]	Weight	Item Code	FM Class
3 x 2 IPS	11.82	3.50	2.38	3.50	2.95	5.75		100832	-----
4 x 2 IPS	13.85	4.50	2.38	4.00	3.00	6.25		100836	-----
4 x 3 IPS	13.85	4.50	3.50	4.00	3.50	6.80		100834	-----
6 x 2 IPS	18.00	6.63	2.38	4.75	3.90	8.10		100842	-----
6 x 3 IPS	18.00	6.63	3.50	4.75	3.50	8.70		100840	-----
6 x 4 IPS	18.00	6.63	4.50	4.75	4.00	8.30		100838	-----
8 x 2 IPS	23.40	8.63	2.38	5.75	3.00	10.60		100850	-----
8 x 3 IPS	23.40	8.63	3.50	5.75	3.50	11.00		100848	-----
8 x 4 IPS	23.40	8.63	4.50	5.75	3.92	10.50		100846	-----
8 x 6 IPS	23.30	8.63	6.63	5.75	4.70	11.50		100844	-----

Integrity Fusion Products
270 Parkade Court
Peachtree City, GA 30269

Phone: 770.632.7530
Toll Free: 888.770.6330
www.integrityFusion.com

Molded Butt Fusion Reducing Tee Dimension Sheet



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FM APPROVED

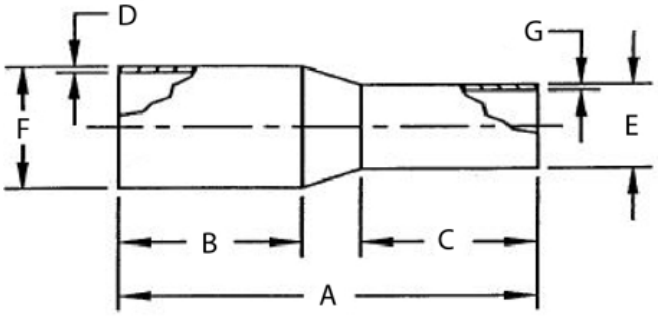
MADE IN THE USA

BABA COMPLIANT

IPS

SDR 7 (standard dimension ratio) **335 PSI (MAOP @ 73.4° F)**

Nominal Size	L [in.]	D [in.]	d [in.]	L1 [in.]	L2 [in.]	Z [ins.]	Weight	Item Code	FM Class
3 x 2 IPS	11.82	3.50	2.38	3.50	2.95	5.75		100833	-----
4 x 2 IPS	13.85	4.50	2.38	4.00	3.00	6.25		100837	-----
4 x 3 IPS	13.85	4.50	3.50	4.00	3.50	6.80		100835	-----
6 x 2 IPS	18.00	6.63	2.38	4.75	3.90	8.10		100843	-----
6 x 3 IPS	18.00	6.63	3.50	4.75	3.50	8.70		100841	-----
6 x 4 IPS	18.00	6.63	4.50	4.75	4.00	8.30		100839	-----
8 x 2 IPS	23.40	8.63	2.38	5.75	3.00	10.60		100851	-----
8 x 3 IPS	23.40	8.63	3.50	5.75	3.50	11.00		100849	-----
8 x 4 IPS	23.40	8.63	4.50	5.75	3.92	10.50		100847	-----
8 x 6 IPS	23.30	8.63	6.63	5.75	4.70	11.50		100845	-----



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BABA COMPLIANT

Product Family:	**Injection Molded Butt Fusion Fitting**	**Fitting Design:**	**Reducer**
Resin Status:	**NSF Listed Bi-Modal Virgin Resin**	**Nominal Primary Pipe Sizes:**	**1" – 12"**
Resin Type:	**ASTM D3350 designated PE3408/PE4710/PE100**	**Nominal Pipe Standard:**	**IPS and DIPS**
Resin Cell Class:	**445574C-CC3**	**Currently Available SDR's:**	**17, 11, 9**

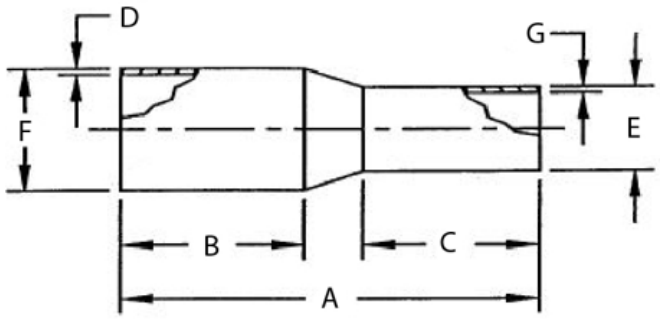
Manufactured and tested to meet requirements of:	**ASTM D2513, ASTM D3261, ANSI/AWWA C901 & C906, FM 1613, NSF 61**
For use on pipe and fittings conforming to:	**ASTM D2513, ASTM D3035, ASTM F-714**

For Material and Testing information, please refer to our Molded Fitting Specification Sheet.

IPS

SDR 17 (standard dimension ratio) **125 PSI (MAOP @ 73.4° F)**

Nominal Size	A [in.]	B [in.]	C [in.]	D (wall) [in.]	E (OD) [in.]	F (OD) [ins.]	G (wall) [ins.]	Weight [lbs.]	Item Code	FM Class
3 x 2 IPS	7.72	3.80	2.88	0.21	2.38	3.50	0.14	0.40	100608	-----
4 x 2 IPS	7.76	4.02	2.96	0.27	2.38	4.50	0.14	0.65	100612	-----
4 x 3 IPS	9.00	4.44	3.94	0.27	3.50	4.50	0.21	0.85	100616	-----
6 x 3 IPS	11.42	5.20	4.24	0.39	3.50	6.63	0.21	2.85	100620	-----
6 x 4 IPS	11.42	5.14	4.74	0.39	4.50	6.63	0.27	3.05	100622	-----
8 x 4 IPS	12.72	6.14	4.32	0.51	4.50	8.63	0.27	4.40	100626	-----
8 x 6 IPS	12.80	6.10	5.12	0.51	6.63	8.63	0.39	5.05	100628	-----
10 x 6 IPS	13.86	6.32	5.16	0.63	6.63	10.75	0.39	7.70	100632	-----
10 x 8 IPS	14.36	6.30	5.84	0.63	8.63	10.75	0.51	9.00	100634	-----
12 x 6 IPS	15.48	7.48	5.12	0.75	6.63	12.75	0.39	11.45	100636	-----
12 x 8 IPS	16.44	7.10	6.10	0.75	8.63	12.75	0.51	13.20	100638	-----
12 x 10 IPS	15.46	6.92	6.10	0.75	10.75	12.75	0.63	13.85	100640	-----



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MADE IN THE USA

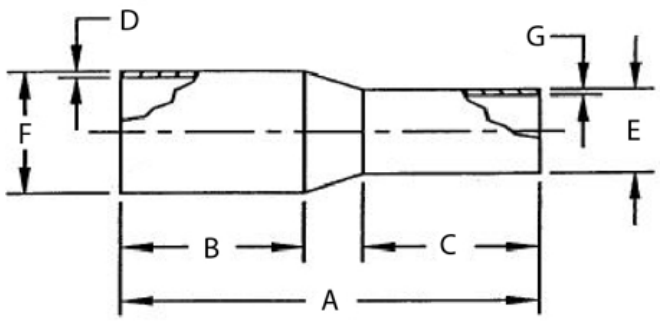
BABA COMPLIANT

IPS

SDR 11 (standard dimension ratio) **200 PSI (MAOP @ 73.4° F)**

Nominal Size	A [in.]	B [in.]	C [in.]	D (wall) [in.]	E (OD) [in.]	F (OD) [ins.]	G (wall) [ins.]	Weight [lbs.]	Item Code	FM Class
1 x ¾ IPS	4.58	2.17	2.17	0.12	1.05	0.12	0.10	0.05	100600	-----
1 ¼ x 1 IPS	4.70	2.22	2.08	0.15	1.66	0.15	0.12	0.10	100601	-----
1 ½ x 1 IPS	5.10	2.30	2.12	0.17	1.32	1.90	0.12	0.15	100602	-----
1 ½ x 1 ¼ IPS	4.86	2.46	2.12	0.17	1.66	1.90	0.15	0.15	100603	-----
2 x 1 IPS	5.46	2.58	2.12	0.22	1.32	2.38	0.12	0.20	100604	-----
2 x 1 ¼ IPS	5.16	2.46	2.02	0.22	1.66	2.38	0.17	0.20	100605	-----
2 x 1 ½ IPS	6.40	2.96	2.48	0.22	1.90	2.38	0.17	0.25	100606	-----
3 x 2 IPS	7.72	3.80	2.88	0.32	2.38	3.50	0.22	0.65	100607	FM 200
4 x 2 IPS	7.76	4.02	2.96	0.41	2.38	4.50	0.22	1.30	100611	FM 200
4 x 3 IPS	9.00	4.44	3.94	0.41	3.50	4.50	0.32	1.50	100615	FM 200
6 x 3 IPS	11.42	5.20	4.24	0.60	3.50	6.63	0.32	3.50	100619	FM 200
6 x 4 IPS	11.42	5.14	4.74	0.60	4.50	6.63	0.41	3.95	100621	FM 200
8 x 4 IPS	12.72	6.14	4.32	0.78	4.50	8.63	0.41	6.35	100625	FM 200
8 x 6 IPS	12.80	6.10	5.12	0.78	6.63	8.63	0.60	8.15	100627	FM 200
10 x 6 IPS	13.86	6.32	5.16	0.98	6.63	10.75	0.60	11.20	100631	FM 200
10 x 8 IPS	14.36	6.30	5.84	0.98	8.63	10.75	0.78	13.20	100633	FM 200
12 x 6 IPS	15.48	7.48	5.12	1.16	6.63	12.75	0.60	16.30	100635	FM 200
12 x 8 IPS	16.44	7.10	6.10	1.16	8.63	12.75	0.78	19.80	100637	FM 200
12 x 10 IPS	15.46	6.92	6.10	1.16	10.75	12.75	0.98	21.15	100639	FM 200

Molded Butt Fusion Reducer Dimension Sheet



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FM APPROVED

MADE IN THE USA

BABA COMPLIANT

IPS

SDR 9 (standard dimension ratio) **255 PSI (MAOP @ 73.4° F)**

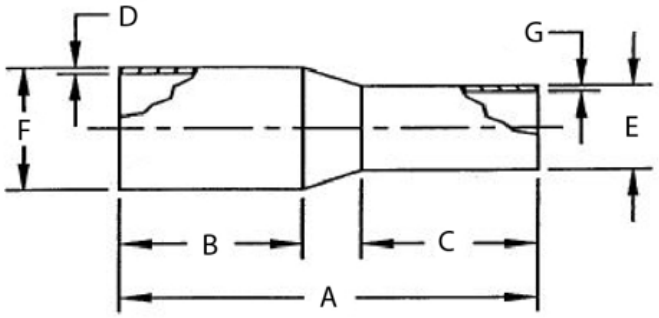
Nominal Size	A [in.]	B [in.]	C [in.]	D (wall) [in.]	E (OD) [in.]	F (OD) [ins.]	G (wall) [ins.]	Weight [lbs.]	Item Code	FM Class
3 x 2 IPS	7.72	3.80	2.88	0.39	2.38	3.50	0.26	1.50	100610	FM 250
4 x 2 IPS	7.76	4.02	2.96	0.50	2.38	4.50	0.26	1.75	100614	FM 250
4 x 3 IPS	9.00	4.44	3.94	0.50	3.50	4.50	0.39	1.75	100618	FM 250
6 x 4 IPS	11.42	5.14	4.74	0.74	4.50	6.63	0.50	4.60	100624	FM 250
8 x 6 IPS	12.80	6.10	5.12	0.96	6.63	8.63	0.74	9.45	100630	FM 250

IPS

SDR 7 (standard dimension ratio) **355 PSI (MAOP @ 73.4° F)**

Nominal Size	A [in.]	B [in.]	C [in.]	D (wall) [in.]	E (OD) [in.]	F (OD) [ins.]	G (wall) [ins.]	Weight [lbs.]	Item Code	FM Class
3 x 2 IPS	7.72	3.80	2.88	0.50	2.38	3.50	0.34	1.10	100609	FM 335
4 x 2 IPS	7.76	4.02	2.96	0.64	2.38	4.50	0.34	1.75	100613	FM 335
4 x 3 IPS	9.00	4.44	3.94	0.64	3.50	4.50	0.50	1.95	100617	FM 355
6 x 4 IPS	11.42	5.14	4.74	0.95	4.50	6.63	0.64	5.25	100623	FM 335
8 x 6 IPS	12.80	6.10	5.12	1.23	6.63	8.63	0.95	11.00	100629	FM 355

Molded Butt Fusion Reducer Dimension Sheet



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FM APPROVED

MADE IN THE USA

BABA COMPLIANT

DIPS

SDR 11 (standard dimension ratio) **200 PSI (MAOP @ 73.4° F)**

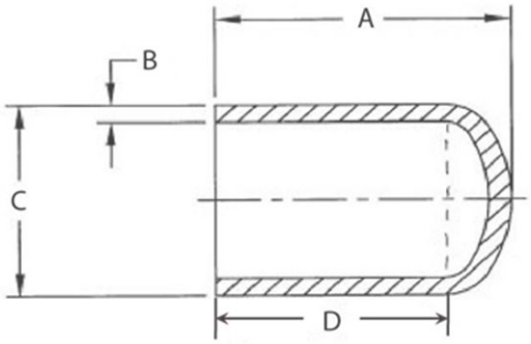
Nominal Size	A [in.]	B [in.]	C [in.]	D (wall) [in.]	E (OD) [in.]	F (OD) [ins.]	G (wall) [ins.]	Weight [lbs.]	Item Code	FM Class
6 x 4 DIPS	11.38	5.18	4.28	0.63	4.80	6.90	0.44	3.95	100641	FM 200
8 x 6 DIPS	12.60	6.12	5.12	0.82	6.90	9.05	0.63	7.70	100642	FM 200
10 x 6 DIPS	14.36	6.48	5.32	1.01	6.90	11.10	0.63	12.75	100643	-----
10 x 8 DIPS	14.92	6.58	5.98	1.01	9.05	11.10	0.82	14.95	100647	-----
12 x 6 DIPS	16.30	7.44	5.34	1.20	6.90	13.20	0.63	20.05	100651	-----
12 x 8 DIPS	17.24	7.44	6.06	1.20	9.05	13.20	0.82	22.90	100655	-----

DIPS

SDR 9 (standard dimension ratio) **255 PSI (MAOP @ 73.4° F)**

Nominal Size	A [in.]	B [in.]	C [in.]	D (wall) [in.]	E (OD) [in.]	F (OD) [ins.]	G (wall) [ins.]	Weight [lbs.]	Item Code	FM Class
10 x 6 DIPS	14.36	6.48	5.32	1.01	6.90	11.10	0.77	15.02	100644	-----
10 x 8 DIPS	14.92	6.58	5.98	1.01	9.05	11.10	1.01	18.05	100648	-----
12 x 6 DIPS	16.30	7.44	5.34	1.20	6.63	12.75	0.76	20.05	100652	-----
12 x 8 DIPS	17.24	7.44	6.06	1.20	8.63	12.75	1.01	27.55	100656	-----

Molded Butt Fusion End Cap Dimension Sheet



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MADE IN THE USA

BABA COMPLIANT

Product Family:	**Injection Molded Butt Fusion Fitting**	**Fitting Design:**	**End Cap**
Resin Status:	**NSF Listed Bi-Modal Virgin Resin**	**Nominal Pipe Sizes:**	**3/4" – 12"**
Resin Type:	**ASTM D3350 designated PE3408/PE4710/PE100**	**Nominal Pipe Standard:**	**IPS**
Resin Cell Class:	**445574C-CC3**	**Currently Available SDR's**	**17, 11, 9, 7**
Manufactured and tested to meet requirements of:	**ASTM D2513, ASTM D3261, ANSI/AWWA C901 & C906, FM 1613, NSF 61**		
For use on pipe and fittings conforming to:	**ASTM D2513, ASTM D3035, ASTM F-714**		

For Material and Testing information, please refer to our Molded Fitting Specification Sheet.

IPS

SDR 17 (standard dimension ratio) **125 PSI (MAOP @ 73.4° F)**

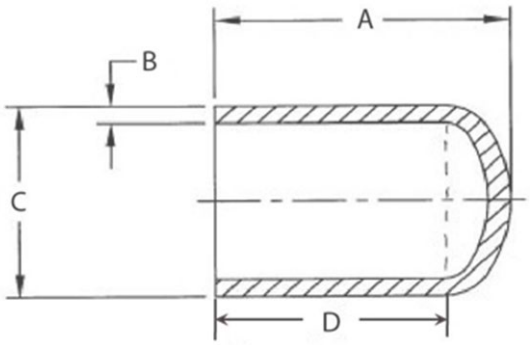
Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	3.30	0.18	2.38	2.52	0.10	100306	-----
3" IPS	4.58	0.26	3.50	3.60	0.40	100310	-----
4" IPS	5.20	0.33	4.50	4.20	0.75	100314	-----
6" IPS	7.08	0.49	6.63	5.34	2.40	100318	-----
8" IPS	8.68	0.64	8.63	6.14	4.15	100322	-----
10" IPS	9.88	0.80	10.75	6.68	7.90	100326	-----
12" IPS	11.82	0.94	12.75	7.68	13.40	100328	-----

IPS

SDR 11 (standard dimension ratio) **200 PSI (MAOP @ 73.4° F)**

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	Weight [lbs.]	Item Code	FM Class
¾" IPS	2.50	0.10	1.05	2.14	0.05	100300	-----
1" IPS	2.64	0.12	1.32	2.52	0.05	100302	-----
1 ¼" IPS	2.77	0.15	1.66	2.18	0.10	100303	-----
1 ½" IPS	3.10	0.17	1.90	2.42	0.10	100304	-----
2" IPS	3.30	0.22	2.38	2.52	0.15	100305	FM 200
3" IPS	4.58	0.32	3.50	3.60	0.55	100309	FM 200
4" IPS	5.20	0.41	4.50	4.20	1.10	100313	FM 200
6" IPS	7.08	0.60	6.63	5.34	3.30	100317	FM 200
8" IPS	8.68	0.78	8.63	6.14	6.15	100321	FM 200
10" IPS	9.88	0.98	10.75	6.68	11.20	100325	FM 200
12" IPS	11.82	1.16	12.75	7.68	19.15	100327	FM 200

Molded Butt Fusion End Cap Dimension Sheet



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BABA COMPLIANT

IPS

SDR 9 (standard dimension ratio) **255 PSI (MAOP @ 73.4° F)**

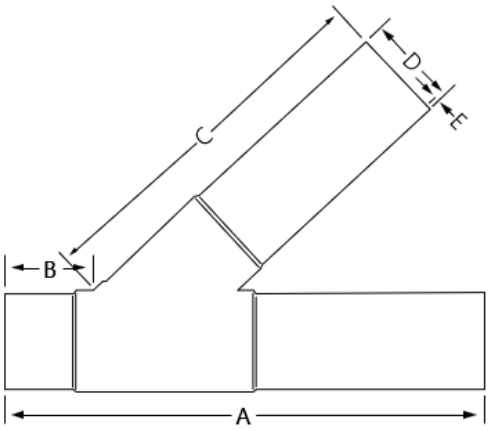
Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	3.30	0.26	2.38	2.52	0.20	100308	FM 250
3" IPS	4.58	0.39	3.50	3.60	0.60	100312	FM 250
4" IPS	5.20	0.50	4.50	4.20	1.25	100316	FM 250
6" IPS	7.08	0.74	6.63	5.34	3.50	100320	FM 250
8" IPS	8.68	0.96	8.63	6.14	7.45	100324	FM 250

IPS

SDR 7 (standard dimension ratio) **335 PSI (MAOP @ 73.4° F)**

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	3.30	0.34	2.38	2.52	0.20	100307	FM 335
3" IPS	4.58	0.50	3.50	3.60	0.75	100311	FM 335
4" IPS	5.20	0.64	4.50	4.20	2.40	100315	FM 335
6" IPS	7.08	0.95	6.63	5.34	4.40	100319	FM 335
8" IPS	8.68	1.23	8.63	6.14	8.80	100323	FM 335

Molded Butt Fusion Lateral Wye Dimension Sheet



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MADE IN THE USA

BABA COMPLIANT

Product Family:	**Injection Molded Butt Fusion Fitting**	**Fitting Design:**	**Lateral Wye**
Resin Status:	**NSF Listed Bi-Modal Virgin Resin**	**Nominal Pipe Sizes:**	**2" – 8"**
Resin Type:	**ASTM D3350 designated PE3408/PE4710/PE100**	**Nominal Pipe Standard:**	**IPS**
Resin Cell Class:	**445574C-CC3**	**Currently Available SDR's:**	**17, 11**
Manufactured and tested to meet requirements of:	**ASTM D2513, ASTM D3261, ANSI/AWWA C901 & C906, FM 1613, NSF 61**		
For use on pipe and fittings conforming to:	**ASTM D2513, ASTM D3035, ASTM F-714**		

For Material and Testing information, please refer to our Molded Fitting Specification Sheet.

IPS

SDR 17 (standard dimension ratio) **125 PSI (MAOP @ 73.4° F)**

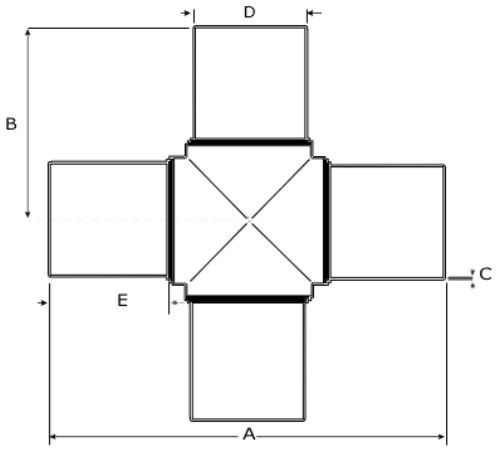
Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	23.74	5.28	13.10	2.38	0.22	2.05	100901	-----
3" IPS	23.92	6.00	13.46	3.50	0.32	3.35	100903	-----
4" IPS	27.96	5.74	20.50	4.50	0.41	7.05	100905	-----
6" IPS	33.74	6.18	25.54	6.63	0.60	18.95	100907	-----
8" IPS	36.50	6.50	27.70	8.63	0.78	33.25	100909	-----

IPS

SDR 11 (standard dimension ratio) **200 PSI (MAOP @ 73.4° F)**

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	23.74	5.28	13.10	2.38	0.22	2.20	100900	-----
3" IPS	23.92	6.00	13.46	3.50	0.32	4.60	100902	-----
4" IPS	27.96	5.74	20.50	4.50	0.41	9.50	100904	-----
6" IPS	33.74	6.18	25.54	6.63	0.60	25.55	100906	-----
8" IPS	36.50	6.50	27.70	8.63	0.78	44.90	100908	-----

Molded Butt Fusion 4-Way Cross



CERTIFIED TO NSF/ANSI 61 SECTION 4 NSF/ANSI 372

MADE IN THE USA

BABA COMPLIANT

Product Family:	Injection Molded Butt Fusion Fitting	**Fitting Design:**	4-Way Cross
Resin Status:	NSF Listed Bi-Modal Virgin Resin	**Nominal Pipe Sizes:**	2" – 4"
Resin Type:	ASTM D3350 designated PE3408/PE4710/PE100	**Nominal Pipe Standard:**	IPS
Resin Cell Class:	445574C-CC3	**Currently Available SDR's:**	17, 11, 9
Manufactured and tested to meet requirements of:	ASTM D2513, ASTM D3261, ANSI/AWWA C901 & C906, FM 1613, NSF 61		
For use on pipe and fittings conforming to:	ASTM D2513, ASTM D3035, ASTM F-714		

For Material and Testing information, please refer to our Molded Fitting Specification Sheet.

IPS

SDR 17 (standard dimension ratio) — **125 PSI** (MAOP @ 73.4° F)

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	8.82	4.28	0.18	2.38	2.56	0.65	100771	-----
3" IPS	11.58	6.88	0.26	3.50	4.42	1.75	100775	-----
4" IPS	13.52	6.89	0.33	4.50	3.82	3.20	100779	-----

IPS

SDR 11 (standard dimension ratio) — **200 PSI** (MAOP @ 73.4° F)

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	8.82	4.28	0.22	2.38	2.56	0.90	100770	-----
3" IPS	11.58	6.88	0.32	3.50	4.42	2.25	100774	-----
4" IPS	13.52	6.89	0.41	4.50	3.82	4.50	100778	-----

IPS

SDR 9 (standard dimension ratio) — **250 PSI** (MAOP @ 73.4° F)

Nominal Size	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	Weight [lbs.]	Item Code	FM Class
2" IPS	8.82	4.28	0.26	2.38	2.56	1.00	100773	-----
3" IPS	11.58	6.88	0.39	3.50	4.42	2.80	100777	-----
4" IPS	13.52	6.89	0.50	4.50	3.82	5.20	100781	-----

Limited Product Warranty

Integrity Fusion Products, Inc. ***warrants its materials to be free of defects in workmanship under normal use and service, when used for purposes under the conditions for which they are intended for a period of one (1) year.***

This warranty shall not apply to any Integrity Fusion Products, Inc. material that has been altered, repaired and/or used in any way, stored outside, or has been subject to misuse, negligence, accident and/or has not been installed in accordance with installation instructions.

This warranty does not cover labor or other costs of installing or repairing the products. Buyer's sole remedy for defective product shall be to receive replacement product as provided in this Limited Warranty. Seller's liability arising out of or related to the product supplied by Integrity Fusion Products shall in no event exceed the original price of the defective product. Seller will not be liable for any consequential, incidental, special, indirect or punitive damages, loss of profits, loss of business opportunity or other loss even if seller knew or should have known of the possibility of such damages or losses. Buyer shall assume all responsibility and expenses for removal, reinstallation and freight charges in connection with the foregoing remedy.

Integrity Fusion Products, Inc. shall not be held liable for any delays caused by shipping any material or equipment by third party shipping companies. Integrity Fusion Products, Inc. shall not be responsible for any delays caused by shipping errors of material and/or equipment.

Any claim regarding shortage or damages from shipment of material must be submitted in writing to Integrity Fusion Products, Inc within 7 days after receipt of shipment. Buyer shall note loss or damage on shipment Bill of Lading and provide a delivery receipt stating such with driver's signature. Loss or damages to materials in transit is the responsibility of the carrier

The buyer must comply with the standard warranty investigation procedures for Integrity Fusion Products which includes providing sample of the product in question and completing Integrity Fusion Products Investigation Report Form. Failure to provide needed and required information and samples for investigation purposes will result in the limited warranty being null and void.

General Electrofusion Requirements

- ***Installation of electrofusion fittings requiring 42V-48V must be carried out using an IntegriFuse or I Fuse 105 Electrofusion processor. For IntegriFuse Electrofusion fittings requiring an amperage of over 80 amps, the IntegriFuse I Fuse 105 Electrofusion Processor is required.***
- ***The I Fuse 105 Electrofusion processor is an 8-48-volt output multi-voltage fusion processor with temperature compensating feature operating at 220/230 VAC requiring power supplied through a portable power generator rated at the necessary continuous watts.***
- ***If the pipe is out-of-round the use of a Re-Round Clamp is required to ensure proper installation.***
- ***Improper scraping, cleaning, and alignment of pipe during the installation procedures results in limited warranty being null and void.***
- ***Electrofusion Installation instructions must be adhered to or our Limited Warranty is null and void. Installation of electrofusion fittings must be carried out by properly trained and qualified operator(s). Large diameter fittings require certification by Integrity Fusion Products, Inc.***

Integrifuse Valve

The Limited Warranty shall apply only to operations which fall under the guidelines of conditions in which the valve was designed for and for applications of normal use. The limited liability will be null and void in the case that the valve failure was caused by excessive operating or surge pressure, introduction of any chemicals or acids that cause degradation to the seats or stem, excessive water hammer, introduction of abrasives such as sand and or grit, butt fusion of HDPE pipe material with SDR differences greater than 2 (SDR 11 to SDR 17 is not permitted), hot soil conditions, excessive temperature.

Integrifuse Butt Fusion Fittings

The Limited Warranty shall apply only to operations which fall under the guidelines of conditions in which the butt fusion fitting was designed for and for applications of normal use. The limited liability will be null and void in the case that the fitting failure was caused by excessive operating or surge pressure, excessive water hammer, introduction of abrasives such as sand and or grit that have cause abrasion of the fitting, butt fusion of HDPE pipe material with SDR differences greater than 2 (SDR 11 to SDR 17 is not permitted). This warranty does not cover failure resulting from improper fusion by the installer.

Purchaser is responsible for passing on this Limited Warranty to their customer.

INTEGRITY
Fusion Products, Inc.

Date: **November 6, 2024**

Re: **Buy America Act & BABAA Compliance**

Job Name:

Customer:

To:

Attn:

Sample Letter

Integrity Fusion Products is an American owned company specializing in molded HDPE fittings and accessories. Integrity Fusion's production plant is located at 270 Parkade Court, Peachtree City, GA, and has been supplying HDPE related fittings to North America since 2007.

This letter is to confirm that all IntegriFuse brand of molded HDPE **Butt Fittings**, **Flange Adapters**, **MJ Adapters,** and **Stainless-Steel Stiffeners** are all manufactured in the USA, and fully comply with the **Buy America Act (BAA)**, as well as the **Build America, Buy America Act (BABA**). To include, but not limited to **Title 49 USC Section 50101**.

The following items do comply with BABA:

Part # 100523/100521	- IntegriFuse brand, 6" IPS SDR 9, HDPE MJ Adapter, FM 250
Part # 100531/100529	- IntegriFuse brand, 8" IPS SDR 9, HDPE MJ Adapter, FM 250
Part # 100539/100537	- IntegriFuse brand, 10" IPS SDR 9, HDPE MJ Adapter, FM 250
Part # 100016	- IntegriFuse brand, 6" IPS SDR 9, HDPE Flange Adapter, FM 250
Part # 100020	- IntegriFuse brand, 8" IPS SDR 9, HDPE Molded 45, FM 250
Part # 100043	- IntegriFuse brand, 10" IPS SDR 9, HDPE Molded 45,
Part # 100120	- IntegriFuse brand, 6" IPS SDR 9, HDPE Molded 90, FM 250
Part # 100124	- IntegriFuse brand, 8" IPS SDR 9, HDPE Molded 90, FM 200

Best Regards,

Greg Swindell

Greg Swindell
VP of Operations greg@integrityfusion.com
770-632-7530