



2026

## MJ Adapter & Gland Kit Submittal Package



Integrity Fusion Products  
Peachtree City, Georgia  
11/2025

### 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:

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

- |                   |   |
|-------------------|---|
| <b>ASTM D1598</b> | - Time-to-Failure of Plastic Pipe Under Constant Internal Pressure.           |
| <b>ASTM D1599</b> | - Short-Term Hydraulic Pressure Failure of Plastic Pipe, Tubing and Fittings. |
| <b>ASTM D2122</b> | - 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 Ratio)	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

# 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 <sub>r</sub> 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 ( <a href="https://hdpeapp.com/#/pipe">https://hdpeapp.com/#/pipe</a> )						

**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 <sub>r</sub> 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.



## Injection Molded MJ Adapters & MJ Accessory Kits

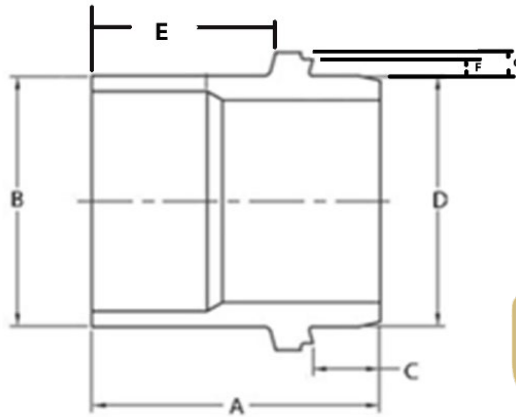
**Integrity Fusion Products** offers a full line of injection molded **IPS** and **DIPS** HDPE MJ Adapters with or without an internal stiffener, and **NSF 61/ANSI/AWWA C-153** compliant **Ductile Iron MJ Accessory Kits** for 2" – 12" systems, and **NSF 61/ANSI/AWWA C-110** compliant **Ductile Iron MJ Accessory Kits** for 14" – 24" systems. Integrity Fusion Products injection molded MJ Adapters are manufactured in a variety of nominal pipe sizes and SDR's, in our manufacturing facility located in Peachtree City, GA. **Integrity Fusion Products** injection molded MJ Adapters are manufactured and tested to meet the requirements of ASTM D2513, ASTM D3261, and ANSI/AWWA C901 and C906 for use with outside diameter-controlled pipe and fittings conforming to ASTM D2513, ASTM D3035, and ASTM F-714. Integrity Fusion Product **Molded MJ Adapters** 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.



*NOTE: Gland Kits are imported  
and do not meet BABAA requirements*







<b>Product Family:</b>	Injection Molded Butt Fusion Fitting	<b>Fitting Design:</b>	MJ Adapter
<b>Resin Status:</b>	NSF Listed Bi-Modal Virgin Resin	<b>Nominal Pipe Sizes:</b>	3" – 20"
<b>Resin Type:</b>	ASTM D3350 designated PE3408/PE4710/PE100	<b>Nominal Pipe Standard:</b>	IPS and DIPS
<b>Resin Cell Class:</b>	445574C-CC3	<b>Currently Available SDR's:</b>	11, 9
		<b>Stiffener Material:</b>	304 Stainless Steel
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			

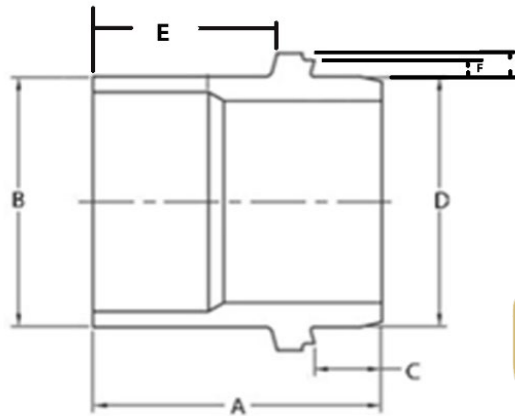
*For Material and Testing information, please refer to our Molded Fitting Specification Sheet.*

## IPS

SDR 11 (standard dimension ratio)

200 PSI (MAOP @ 73.4° F)

Nominal Size	Note	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	F [in.]	G [in.]	Weight [lbs.]	Item Code	FM Class
3" IPS		8.60	3.50	1.70	3.95	5.35	0.30	0.55	1.75	100504	FM 200
3" IPS	w/stiffener	8.60	3.50	1.70	3.95	5.35	0.30	0.55	1.75	100506	FM 200
4" IPS		10.15	4.50	2.16	4.75	6.40	0.40	0.65	2.85	100512	FM 200
4" IPS	w/stiffener	10.15	4.50	2.18	4.75	6.40	0.50	0.65	2.85	100514	FM 200
6" IPS		11.30	6.54	2.16	6.80	7.40	0.45	0.60	5.95	100520	FM 200
6" IPS	w/stiffener	11.30	6.60	2.22	6.80	7.40	0.45	0.60	6.15	100522	FM 200
8" IPS		12.90	8.54	2.22	8.90	8.10	0.45	0.62	10.10	100528	FM 200
8" IPS	w/stiffener	12.20	8.60	2.30	9.00	8.10	0.45	0.60	10.80	100530	FM 200
10" IPS		12.90	10.65	2.25	11.00	8.40	0.45	1.00	16.75	100536	FM 200
10" IPS	w/stiffener	12.90	10.65	2.28	11.00	8.40	0.45	1.00	17.40	100538	FM 200
12" IPS		13.50	12.65	2.22	12.90	8.55	0.45	1.00	25.10	100544	FM 200
12" IPS	w/stiffener	13.50	12.65	2.22	12.90	8.55	0.45	1.00	25.60	100546	FM 200
14" IPS		13.25	14.00	1.60	15.40	9.00	0.50	0.85	30.80	100550	-----
14" IPS	w/stiffener	13.25	14.00	1.60	15.40	9.00	0.50	0.85	31.30	100551	-----
16" IPS		14.25	16.00	1.65	17.25	9.50	0.55	1.10	43.65	100554	-----
16" IPS	w/stiffener	14.25	16.00	1.65	17.25	9.50	0.55	1.10	44.90	100555	-----
18" IPS		15.70	18.00	2.10	19.30	10.45	0.55	1.10	61.25	100558	-----
18" IPS	w/stiffener	15.70	18.00	2.10	19.30	10.45	0.55	1.10	63.00	100559	-----
20" IPS		16.30	19.80	2.15	21.50	10.55	0.55	1.10	74.35	100562	-----
20" IPS	w/stiffener	16.30	19.80	2.15	21.50	10.55	0.55	1.10	76.50	100563	-----

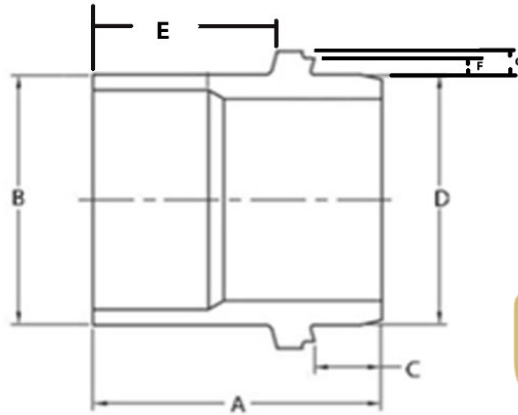


## IPS

SDR 9 (standard dimension ratio)

255 PSI (MAOP @ 73.4° F)

Nominal Size	Note	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	F [in.]	G [in.]	Weight [lbs.]	Item Code	FM Class
3" IPS		8.60	3.50	1.70	3.95	5.35	0.30	0.55	1.75	100505	FM 250
3" IPS	w/stiffener	8.60	3.50	1.70	3.95	5.35	0.30	0.55	1.95	100507	FM 250
4" IPS		10.15	4.50	2.16	4.75	6.30	0.40	0.65	2.85	100513	FM 250
4" IPS	w/stiffener	10.15	4.50	2.18	4.80	6.30	0.50	0.65	3.30	100515	FM 250
6" IPS		11.30	6.54	2.16	6.78	7.34	0.45	0.60	6.60	100521	FM 250
6" IPS	w/stiffener	11.30	6.60	2.22	6.85	7.30	0.45	0.60	7.05	100523	FM 250
8" IPS		12.20	8.54	2.22	8.90	8.08	0.45	0.62	11.45	100529	FM 250
8" IPS	w/stiffener	12.20	8.60	2.30	9.00	8.15	0.45	0.60	11.90	100531	FM 250
10" IPS		12.90	10.65	2.25	10.98	8.30	0.45	1.10	18.50	100537	FM 250
10" IPS	w/stiffener	12.90	10.65	2.28	11.05	8.48	0.45	1.10	20.05	100539	FM 250
12" IPS		13.50	12.65	2.22	12.90	8.62	0.50	1.10	28.55	100545	FM 250
12" IPS	w/stiffener	13.50	12.65	2.22	12.90	8.62	0.50	1.10	37.50	100547	FM 250



## DIPS

SDR 11 (standard dimension ratio)

200 PSI (MAOP @ 73.4° F)

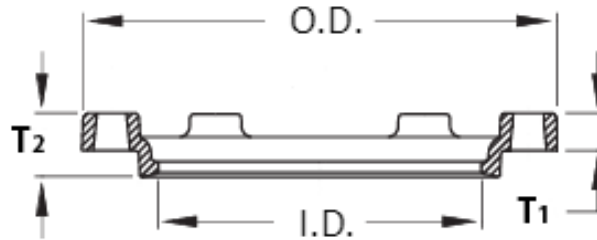
Nominal Size	Note	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	F [in.]	G [in.]	Weight [lbs.]	Item Code	FM Class
4" DIPS		10.20	4.75	2.18	4.75	6.40	0.50	0.75	2.60	100508	FM 200
4" DIPS	w/stiffener	10.20	4.75	2.18	4.45	6.40	0.50	0.75	3.05	100510	FM 200
6" DIPS		11.35	6.95	2.15	6.80	7.40	0.45	0.60	5.95	100516	FM 200
6" DIPS	w/stiffener	11.35	6.95	2.15	6.80	7.40	0.45	0.60	6.15	100518	FM 200
8" DIPS		12.10	9.05	2.20	9.00	8.10	0.45	0.70	10.35	100524	FM 200
8" DIPS	w/stiffener	12.10	9.05	2.20	9.00	8.10	0.45	0.70	11.00	100526	FM 200
10" DIPS		12.90	11.10	2.20	11.00	8.40	0.45	1.10	17.15	100532	FM 200
10" DIPS	w/stiffener	12.90	11.10	2.20	11.00	8.40	0.45	1.10	17.85	100534	FM 200
12" DIPS		13.50	13.10	2.25	12.90	8.55	0.50	1.05	12.75	100540	FM 200
12" DIPS	w/stiffener	13.50	13.10	2.25	13.00	8.55	0.50	1.05	26.45	100542	FM 200
14" DIPS		13.36	15.35	1.60	15.40	9.00	0.55	0.85	31.95	100548	FM 200
14" DIPS	w/stiffener	13.36	15.35	1.60	15.40	9.00	0.55	0.85	33.70	100549	FM 200
16" DIPS		14.25	17.28	1.70	17.25	9.50	0.55	1.10	44.85	100552	-----
16" DIPS	w/stiffener	14.25	17.28	1.70	17.25	9.50	0.55	1.10	46.70	100553	-----
18" DIPS		15.75	19.40	2.10	19.20	10.15	0.55	1.10	61.95	100556	-----
18" DIPS	w/stiffener	15.75	19.40	2.10	19.20	10.15	0.65	1.10	63.90	100557	-----
20" DIPS		16.10	21.70	2.12	21.40	10.60	0.55	1.10	61.25	100560	-----
20" DIPS	w/stiffener	16.10	21.70	2.12	21.40	10.60	0.55	1.10	63.00	100561	-----

## DIPS

SDR 9 (standard dimension ratio)

255 PSI (MAOP @ 73.4° F)

Nominal Size	Note	A [in.]	B [in.]	C [in.]	D [in.]	E [in.]	F [in.]	G [in.]	Weight [lbs.]	Item Code	FM Class
4" DIPS		10.20	4.75	2.18	4.78	6.40	0.50	0.75	3.30	100509	FM 200
4" DIPS	w/stiffener	10.20	4.75	2.18	4.78	6.40	0.50	0.75	3.30	100511	FM 200
6" DIPS		11.35	6.95	2.15	6.78	7.40	0.45	0.60	6.80	100517	FM 200
6" DIPS	w/stiffener	11.35	6.95	2.15	6.78	7.40	0.45	0.60	7.05	100519	FM 200
8" DIPS		12.10	9.05	2.20	9.05	8.10	0.45	0.70	11.65	100525	FM 200
8" DIPS	w/stiffener	12.10	9.05	2.20	9.05	8.10	0.45	0.70	12.30	100527	FM 200
10" DIPS		12.90	11.10	2.20	11.10	8.40	0.45	1.10	18.95	100533	FM 200
10" DIPS	w/stiffener	12.90	11.10	2.20	11.10	8.40	0.45	1.10	20.50	100535	FM 200
12" DIPS		13.50	13.10	2.25	13.00	8.55	0.50	1.10	27.20	100541	FM 200
12" DIPS	w/stiffener	13.50	13.10	2.25	13.00	8.55	0.50	1.10	28.60	100543	FM 200



At Integrity Fusion Products, our goal is to provide the highest quality products to the industry, and to our customers. This philosophy has been applied to the Ductile Iron **MJ Accessory Kits** that are used extensively to make safe and secure connections to ductile-iron and gray-iron fittings, using our **Molded MJ Adapters**. The use of mechanical joint fittings works as a smooth transition point from fusible polyethylene systems and components to valves, hydrants, and other appurtenances for potable water, raw water, nonaggressive wastewater, and reclaimed water supply services. This is done using **HDPE MJ Adapters** and **NSF 61/ANSI/AWWA C-153** compliant Ductile Iron **MJ Accessory Kits** for 2" – 12" systems, and **NSF 61/ANSI/AWWA C-110** compliant Ductile Iron **MJ Accessory Kits** for 14" – 24" systems. The mechanical joint connection differs from compression fitting connections, where compressive forces are applied around the outer circumference of a pipe and/or fitting; and instead, a mechanical joint gland (follower) is used, which is made of ductile iron, to press an **AWWA C111/A.2.11-17** compliant gasket into a mechanical joint bell. Then bolts or studs are threaded through the gland (follower), mechanically squeezing the gasket into place.

## MJ Adapter Kits include:

- Ductile Iron Ring per ASTM A536
- Fusion Bonded Epoxy or Black Oxide Coating per ANSI/AWWA C116/A21.16
- High-Strength – Low Alloy Anti-Rotation T-Bolts per ASTM A242
- SBR (styrene-butadiene rubber) Gasket per AWWA C111/A2.11-7
- Manufactured according to NSF 61/ANSI/AWWA C-153 (2" – 12"), and C-110 (14" – 24")

Nominal Size	Type	OD (in.)	ID (in.)	T <sub>1</sub> (thickness)	T <sub>2</sub> (thickness)	Bolt Size	Bolt Qty.	Weight [lbs.]	Item Code
3"	C153	7.690	4.060	0.62	1.37	5 / 8 x 5	4	6.30	100581
4"	C153	9.120	4.900	0.75	1.50	3 / 4 x 5	4	8.80	100582
6"	C153	11.12	7.000	0.88	1.63	3 / 4 x 5	6	13.8	100583
8"	C153	13.37	9.150	1.00	1.75	3 / 4 x 6	6	15.4	100584
10"	C153	15.62	11.20	1.00	1.75	3 / 4 x 6	8	21.6	100585
12"	C153	17.88	13.30	1.00	1.75	3 / 4 x 6	8	24.1	100586
14"	C110	20.25	15.44	1.25	2.00	3 / 4 x 7	10	38.7	100587
16"	C110	22.50	17.54	1.31	2.06	3 / 4 x 7	12	46.0	100588
18"	C110	24.83	19.64	1.38	2.13	3 / 4 x 7	12	55.0	100589
20"	C110	27.08	21.74	1.44	2.19	3 / 4 x 7	14	70.0	100590
24"	C110	31.58	25.94	1.56	2.31	3 / 4 x 10	16	92.0	100591

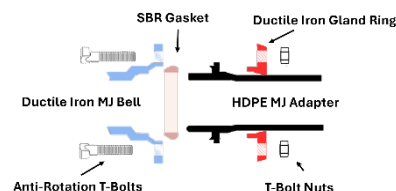




The MJ Adapter is a polyethylene fitting that is designed to make a transition to or from a non-polyethylene system by use of a standard ANSI/AWWA mechanical joint and give you the ability to connect a polyethylene system to traditional hydrants, valves, and metal pipes using a standard ANSI/AWWA mechanical joint fitting.

This type of connection requires you to have the following items on-hand to allow you to bolt the mechanical joint together.

- MJ Adapter w/wo Internal Stiffener
- Ductile Iron MJ gland ring,
- AWWA C111/A2.11-7 SBR Gasket, and
- the required number of anti-rotation T-bolts



When putting the MJ Adapter assembly together, it is important to remember to properly place the ductile-iron gland ring on the HDPE pipe side of the MJ Adapter before butt fusing or electro-fusing it on to the pipe. After the fusion joint is made, place the gasket on the mechanical joint side of the adapter with the gaskets bevel pointing outward.

Insert the MJ Adapter, and the gasket (bevel end first), into the socket of the mechanical joint fitting and align the gland ring. Insert the t-bolts and hand tighten the nuts.

Tighten the bolts to the normal range of torque using a torque wrench (see table below) while maintaining approximately the same distance around all points of the MJ Adapters hub and the mechanical joint socket. This can be done by partially tightening the bottom bolt first, then the top bolt, and then the bolts on either side. Repeat the process until all bolts are within the appropriate range of torque.

Pipe Size		Bolt Size		Torque Range	
In.	mm	In.	mm	ft - lb.	N - m
3"	76	5/8	16	45 - 60	61 - 81
4" - 24"	102 - 610	3/4	19	75 - 90	102 - 122
30" - 36"	762 - 914	1	25	100 - 120	136 - 163
42" - 64"	1,067 - 1,600	1 1/4	32	120 - 150	163 - 203

**\*\*** When the gland ring is used, restraining devices are not required on the PE pipe. (Plastic Pipe Institute – Handbook of Polyethylene Pipe; Chapter 9 PE Pipe Joining Procedures)

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.

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  
VP of Operations [greg@integrityfusion.com](mailto:greg@integrityfusion.com)  
770-632-7530