

FLEX
RESTRAINTS

MOLDED FOR YOUR INDUSTRY

IntegriFuse™



 **INTEGRITY**
Fusion Products, Inc.

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INTEGRITYFUSION.COM

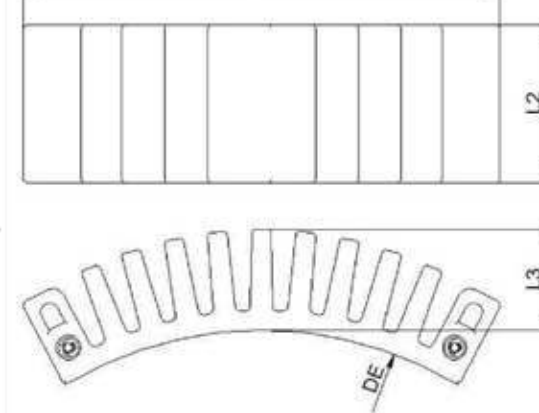
The difference MOLDED Makes

Integrity Fusion continues to be the market leader in electrofusion fittings, by offering innovative solutions to all of your fusible needs. Our IntegriFuse brand EF Flex Restraints are injection molded and can be fused on pipe sizes from 6" IPS/DIPS – 63" IPS/DIPS. EF Flex Restraints are commonly used as an alternative to a water stop or wall anchor when required to restrain HDPE pipe movement due to expansion and contraction. Another great use for EF Flex Restraints is to help secure pipe weights in place when sinking pipe in a body of water. Electrofusion Flex Restraints offer a convenient & innovative solution to restraining HDPE pipe.

IntegriFuse EF Flex Restraints are uniquely designed with an innovative wire laying pattern that results in built in cold zones, allowing for proper melt flow. The unique wire laying design also results in higher axial resistance performance than others in the marketplace.

IntegriFuse EF Fittings are manufactured from the highest quality black high density bimodal polyethylene copolymer resin designed for use in, but not limited to, potable water, natural gas, industrial, landfill, oil & gas, and mining applications.

All IntegriFuse fittings meet ASTM –D2513 & ASTM D3261 (where applicable)



Electrofusion Flex Restraint

| Nominal Size | Axial Resistance | L1 | L2 | L3 | Unit Weight | Item Code |
|---------------------|------------------|-------|-------|-------|-------------|-----------|
| 6" - 63" IPS / DIPS | 9,500 lbs. | 7.50" | 2.45" | 1.56" | 0.42 lbs. | 200400 |

6" IPS/DIPS - 10" IPS/DIPS fusible to SDR 7 to SDR 17

12" IPS/DIPS - 63" IPS fusible to SDR 7 to SDR 32.5

| Number of Restraints Needed for SDR ** | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 24" | 28" | 30" | 32" | 36" | 42" | 48" |
|--|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| SDR 9 | 2 | 2 | 3 | 4 | 4 | 5 | 7 | 8 | 11 | 15 | 18 | 20 | 25 | 34 | 44 |
| SDR 11 | 2 | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 10 | 13 | 15 | 17 | 21 | 29 | 37 |
| SDR 17 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 5 | 7 | 9 | 10 | 11 | 14 | 19 | 25 |
| Max # of Restraints in Perimeter | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 14 | 15 | 16 | 18 | 21 | 25 |

** General suggested guidelines. Please confirm with engineer for actual project requirements.**

Axial Resistance based on a safety factor of 2

Manufactured in accordance to ASTM F1055

Manufactured with resin having a material designation code of PE3408 / PE4710 / PE100 resin to comply to ASTM D3350.

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