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Part Name: Molded HDPE Butt Fusion Branch Saddle
Part Number: 525a-xxxx



Butt Fusion Branch Saddle

Poly-Cam HDPE Molded Branch Saddles are made in the USA. They are made from bimodal polyethylene copolymer resin PE 4710 (445574C).

Design

The Poly-Cam branch saddle is designed with strength in mind. It has a lower taper at the base of the outlet to resist sheering. The branch saddle has a wider round base for more surface area for fusing.

System Performance

The transition fitting is designed to handle the pressure rating of the HDPE pipe with a 2:1 safety factor at 73.40 degrees Fahrenheit with a minimum 50-year design life.

Quality Assurance

The transition fitting shall be manufactured by Poly-Cam, Inc. Poly-Cam, Inc. shall provide quality assurance with regards to proper installation, compatibility, performance, and acceptance.

Installation

HDPE pipe end: Install transition fitting to comply with the pipe manufacturer's recommended procedures. All field welds shall be completed per Plastic Pipe Institute's welding procedure for butt fusion.

Material

High-Density Polyethylene: HDPE pipe

- Meets ASTM D-3350 with minimum cell classification values of 345464C (PE 3408), PE445574C (PE 4710)
- Meets ASTM F714.
- Density shall be no less than 0.955 g/cm as referenced in ASTM D1505
- Melt index no greater than 0.15 g/10 minutes when tested per ASTM D 1238
- Tensile Strength at Yield -tensile shall be 3,200 psi to less than 3,500 psi as referenced in ASTM D638
- ESCR-Environmental Stress Crack Resistance shall be over 5,000 hours with zero failures when tested per ASTM D 1693-Condition C
- All pipe meets ASTM 3035.
- All certifications will be submitted upon request.

Warranty

The warranty period is one year after the date of substantial completion of installation.

Series 525a Molded HDPE Butt Fusion Branch Saddle

Nominal Size (In.)	Material Specification	Outlet Nominal Diameter A	Nominal Socket Outlet Diameter A2	HDPE Outlet Length B	HDPE Base Diameter C	HDPE Inside Diameter D	Radius Cut R
0.75	Polyethylene PE4710	1.050	0.840	2.750	1.700	0.816	>1.660
1	Polyethylene PE4710	1.315	1.050	2.700	1.900	0.900	>1.660
1.25	Polyethylene PE4710	1.660	1.315	3.000	2.000	1.066	>1.900
1.5	Polyethylene PE4710	1.900	1.660	3.250	2.600	1.453	>2.375
2	Polyethylene PE4710	2.375	1.900	4.000	3.200	1.815	>3.500

