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Part Name: Series SW Poly-Cam Sweeps
Part Number: SWxxxxxxxxAxx

Poly-Cam Sweeps

The Poly-Cam Sweep is manufactured from High Density Polyethylene (HDPE) pipe. It is designed with a butt fusion end for ease of field installation. The design allows fluid to travel through the fitting with less restriction.

Sizes range from 2" -12" Iron Pipe Size (IPS) at 22.5°, 45°, or 90°.

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.

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Nominal Size (In.)	Poly-Cam Sweep Material	Sweep Diameter A	Fusion Pipe Length B	Center Line C	Radius R
2	Polyethylene PE 4710	2.375	5	14	9
3	Polyethylene PE 4710	3.5	7	17.5	10.5
4	Polyethylene PE 4710	4.5	7	20.5	13.5
6	Polyethylene PE 4710	6.625	7	24.5	17.5
8	Polyethylene PE 4710	8.625	7	44.875	25.875
10	Polyethylene PE 4710	10.75	11	43.25	32.25
12	Polyethylene PE 4710	12.75	13	64	51

Angular tolerance of +/- 4 degrees

