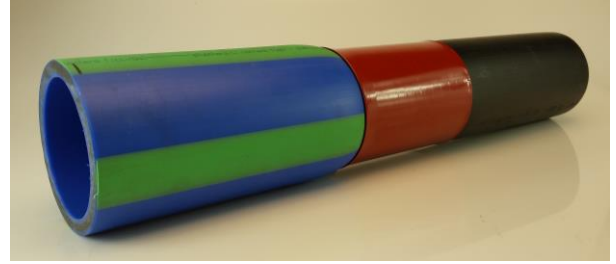




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Part Name: HDPE pipe x PP-R pipe Transition Fitting
Part Number: 1050-xxxx

HDPE Pipe x PP-R Pipe Transition Fitting

The transition fitting is constructed out of PP-R material and high-density polyethylene (HDPE) PE 4710 pipe. The fitting sleeve that joins the piping can be manufactured from epoxy-coated carbon steel or 304/316 stainless steel. The PP-R and HDPE piping materials are hydraulically pressed into the machined coupling. The transition fitting is designed with our multi-level barb system that provides a leak-free radial compressed joint.

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.

Materials

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 D3035 and ASTM F714
- All certifications will be submitted upon request.

Coupling

- Manufactured of Carbon Steel (A53 grade), Type 304, or Type 316 (ASTM A249 or ASTM A269) and/or ERW pipe (ASTM SA-312)

Epoxy Coating. The carbon steel sleeve shall be coated with an epoxy primer. This coating is manufactured by Diamond Vogel and the product name is PLX5215-03 Red Oxide. It exhibits inherent toughness, corrosion resistance, chemical resistance, flexibility, and adhesion and abrasion resistance. This epoxy is great for buried applications. The epoxy shall be installed by an electrostatic spray application.

Polypropylene: PPR pipe

- PP-R pipe conforms to ASTM F2389 and CSA B137.11.

Stainless Steel insert: The insert is manufactured out 304 stainless steel tubing (ASTM A249 or ASTM A269) or ERW pipe (ASTM SA-312).

Installation

HDPE pipe end

Install transition fitting to comply with the pipe manufacturer's recommended procedures. All field welds shall be accomplished per Plastic Pipe Institute's welding procedure for butt fusion or electrofusion. Reference ASTM F2620 and ASTM D 2657.

PP-R 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.

Warranty

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

Series 1050 Transition for PP-R/HDPE

Nominal Size (In.)	PP Diameter (mm) A	PP Length (in.) B	Coupling Length (in.) C	HDPE Length (in.) D	HDPE Diameter (in.) E
0.5	20	6	4	6	0.840
0.75	25	6	4	6	1.050
1	32	8	4	8	1.315
1.25	40	8	4	8	1.660
1.5	50	8	4	8	1.900
2	63	12	5	12	2.375
3	90	12	7	12	3.500
4	110/125	12	8	12	4.500
6	160	16	9	16	6.625
8	200	16	10	16	8.625
10	250	24	12	24	10.750
12	315	24	14	24	12.750

