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Part Name: PVC x PP-R Transition Fitting
Part Number: 1070-xxxx

PVC x PP-R Transition Fitting

General: The transition fitting is constructed out of PVC material, stainless steel insert, and polypropylene pipe (PP-R). The PVC and PP-R materials are joined together by hydraulically pressing the PP-R pipe into the PVC coupling. The PVC coupling portion of the transition fitting is machined with our multi-level barb system that provides a leak-free radial compressed joint. The PP-R portion of the transition fitting is cut to a specific length and is pressed into the PVC coupling. A stainless-steel insert is installed to lock the PVC coupling and PP-R pipe together thus forming a leak-proof joint.

System Performance

The transition fitting is designed to handle the pressure rating of the PP-R 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

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.

PVC coupling: Install the PVC coupling so as to comply with the PVC pipe manufacturer's recommended procedures for solvent cement.

Multi-Purpose Clear Cement is a medium bodied, medium set, multi-purpose cement designed for use on PVC, CPVC, and ABS pipe and fittings: Schedule 40 & 80, Types I & II, up to 6 inches. For potable water, pressure pipe, gas, conduit, drain waste, and vent pipe. Flows freely and provides a thick layer of cement on the pipe and loose-fitting joints. Apply at temperatures 40°F to 100°F. Meets ASTM D-2564

Material

PVC coupling: The PVC coupling is manufactured out of PVC round bar and PVC hollow bar. This material is a rigid, unfilled, general-purpose-grade Polyvinyl Chloride (PVC) compound with a cell classification of 12454, per ASTM D1784. (Callout designation S-PVC0111 per ASTM D6263).

Polypropylene: PPR pipe

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

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

Warranty

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

Series 1070 Transition for PVC/PP-R

Nominal Size (In.)	Poly-Cam Fitting Material	Coupling Diameter A	Coupling Length B	PP-R Length C	PP-R Diameter (mm) D
0.75	PVC	1.53	2.5	6	25
1	PVC	2	3	6	32
1.25	PVC	2.375	4.5	8	40
1.5	PVC	2.38	4.5	8	50
2	PVC	3.025	5.75	8	63
3	PVC	4.3	6.5	8	90
4	PVC	5.56	6.5	12	110/125

