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PermaCast®

Factory Applied Monolithic Vapor Barrier Coating

PermaCast® is an elastomer vapor barrier and weatherproof coating designed for the protection of PermaTherm's Insulation Products. PermaCast® vapor barrier coating has outstanding flexibility, in addition to its superior vapor barrier characteristics. PermaCast® was developed for chilled water, refrigerant, and cryogenic piping, fittings, valves, and vessels.

Typical Physical Properties

Water Vapor Transmission	E-96 .02
Tensile Strength (psi)	1,900
Elongation, (%)	31
Flexural Modulus (psi)	81,864 (@-20°F) 58,736 (@72°F) 4,475 (@158°F)
Tear Strength, Graves (pli)	223
Notched Izod Impact (ft.-lbs./in.)	1.23
Coef. Lin. Therm Exp (X10 (-6))	113
Heat Distortion (°F@ 66 psi)	160
Hardness (Short 'D')	67
Density (lb./ft ³)	50
Taber Wt. Loss, mg loss	518 [1000 cycles, 18 wheel]
NBS abrasion, cycle	200
NBS inches abraded to	.1 in