

## Axiall ProTherm® 4529 CPVC Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

Georgia Gulf ProTherm® 4529 CPVC is a pelletized injection molding compound designed for large fittings. Typical applications are in potable water and chemical transfer systems especially where high resistance and/or elevated temperatures exist. 4529 has excellent processability, including thermal stability, flow, and surface appearance. ProTherm® 4529 is listed under NSF Standard 14 and Standard 61 and meets or exceeds ASTM D-1784 cell class 23447-B requirements. Information provided by Georgia Gulf Georgia Gulf became Axiall Corporation in 2013.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Axiall-ProTherm-4529-CPVC-Rigid-PVC-Molding.php](http://www.lookpolymers.com/polymer_Axiall-ProTherm-4529-CPVC-Rigid-PVC-Molding.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.49 g/cc	1.49 g/cc	ASTM D-792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D-955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D-785
Tensile Strength, Yield	62.1 MPa	9000 psi	ASTM D-638
Tensile Modulus	2.90 GPa	420 ksi	ASTM D-638
Flexural Strength	82.7 MPa	12000 psi	ASTM D-790
Flexural Modulus	2.69 GPa	390 ksi	ASTM D-790
Izod Impact, Notched	1.60 J/cm @Thickness 6.35 mm	3.00 ft-lb/in @Thickness 0.250 in	ASTM D-256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	106.0 °C	222.8 °F	annealed; ASTM D-648
Deflection Temperature at 1.8 MPa (264 psi)	101.0 °C	213.8 °F	annealed; ASTM D-648

Descriptive Properties	Value	Comments
Cell Classification, ASTM D-1784	23447-B	

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