

Axiall 5009 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 5009 is a type I, Grade I rigid vinyl injection molding compound designed for fittings and parts of similar configuration where maximum tensile strength and/or chemical resistance is required. It has full NSF approval and is suitable for all types of water distribution systems, including pressure fittings. 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-5009-Rigid-PVC-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D-792
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ASTM D-955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D-785
Tensile Strength, Yield	48.3 MPa	7000 psi	ASTM D-638
Tensile Modulus	2.76 GPa	400 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	0.320 J/cm	0.600 ft-lb/in	ASTM D-256
	@Thickness 6.35 mm, Temperature -20.0 °C	@Thickness 0.250 in, Temperature -4.00 °F	
	0.427 J/cm	0.800 ft-lb/in	ASTM D-256
	@Thickness 6.35 mm, Temperature 23.0 °C	@Thickness 0.250 in, Temperature 73.4 °F	
Gardner Impact	36.2 J	26.7 ft-lb	1/2" R Tup, 123 mil
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	74.00 °C	165.2 °F	ASTM D-648
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	ASTM D-648
Flammability, UL94	V-0	V-0	
Oxygen Index	38 %	38 %	ASTM D-2863

Thermal Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Cell Classification, ASTM D-1784		12454-B	NSF std. 14
Flow Ratio (Distance/Wall Thickness, 390°F)		130	Georgia Gulf Test

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China