

Axiall SP-6340 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf SP-6340 is a rigid vinyl injection molding compound designed for fittings and parts of similar configuration where maximum burst strength is required. Georgia Gulf 6340 is ideally suited for large diameter fittings. Georgia Gulf 6340 is listed with NSF under Standard 14, and meets Standard 61 health effects 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-SP-6340-Rigid-PVC-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 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	105	105	ASTM D-785
Tensile Strength, Yield	51.7 MPa	7500 psi	ASTM D-638
Tensile Modulus	2.90 GPa	420 ksi	ASTM D-638
Flexural Strength	75.8 MPa	11000 psi	ASTM D-790
Flexural Modulus	3.10 GPa	450 ksi	ASTM D-790
Izod Impact, Notched	0.374 J/cm	0.700 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature -20.0 °C	@Thickness 0.125 in, Temperature -4.00 °F	
Gardner Impact	0.747 J/cm	1.40 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	
Gardner Impact	36.2 J	26.7 ft-lb	1/2" R Tup125 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
Oxygen Index	38 %	38 %	ASTM D-2863

Descriptive Properties	Value	Comments
Cell Classification, ASTM D-1784	12454-B	NSF std. 14
Flow Ratio (Distance/Wall Thickness, 390-400°F)	150	Georgia Gulf Test

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