

Axiall Suprel® 9422 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf Suprel® 9422 Alloy is engineered for injection molding applications that require outstanding impact resistance or toughness, particularly at low temperatures. This alloy complies with specifications frequently referenced in the telecommunications industry. 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-Suprel-9422-Rigid-PVC-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D-792
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D-955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.3 MPa	4100 psi	ASTM D-638
Tensile Modulus	1.65 GPa	240 ksi	ASTM D-638
Flexural Strength	46.9 MPa	6800 psi	ASTM D-790
Flexural Modulus	1.52 GPa	220 ksi	ASTM D-790
Izod Impact, Notched	2.67 J/cm	5.00 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature -40.0 °C	@Thickness 0.125 in, Temperature -40.0 °F	
	5.71 J/cm	10.7 ft-lb/in	
	@Thickness 3.17 mm, Temperature -28.9 °C	@Thickness 0.125 in, Temperature -20.0 °F	ASTM D-256
	8.01 J/cm	15.0 ft-lb/in	
	@Thickness 3.17 mm, Temperature 22.8 °C	@Thickness 0.125 in, Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	74.00 °C	165.2 °F	annealed; ASTM D-648
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	annealed; ASTM D-648
Flammability, UL94	V-0	V-0	
	@Thickness 2.00 mm	@Thickness 0.0787 in	
	5VA	5VA	

Thermal Properties	Metric	English	Comments
	@ Thickness 2.00 mm	@ Thickness 0.0787 in	

Descriptive Properties	Value	Comments
UL Weatherability Rating	F(2)	UL-746C

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