

Axiall Suprel® SVA 9420 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf Suprel® SVA 9420 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, has good UL flammability listings and weatherability listings per UL-746C. 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-SVA-9420-Rigid-PVC-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 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	27.6 MPa	4000 psi	ASTM D-638
Tensile Modulus	1.57 GPa	227 ksi	ASTM D-638
Flexural Strength	40.0 MPa	5800 psi	ASTM D-790
Flexural Modulus	1.52 GPa	221 ksi	ASTM D-790
Izod Impact, Notched	5.87 J/cm	11.0 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature -40.0 °C	@Thickness 0.125 in, Temperature -40.0 °F	
	8.01 J/cm	15.0 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 22.8 °C	@Thickness 0.125 in, Temperature 73.0 °F	
Gardner Impact	0.193 J	0.142 ft-lb	per mil; ASTM D-4226

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	67.00 °C	152.6 °F	unannealed; ASTM D-648
	73.00 °C	163.4 °F	annealed; ASTM D-648
Deflection Temperature at 1.8 MPa (264 psi)	64.00 °C	147.2 °F	unannealed; ASTM D-648
	71.00 °C	159.8 °F	annealed; ASTM D-648
Vicat Softening Point	81.1 °C	178 °F	annealed; ASTM D-1525A

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	
	@Thickness 2.25 mm	@Thickness 0.0886 in	
	5VA	5VA	
	@Thickness 2.25 mm	@Thickness 0.0886 in	

Descriptive Properties	Value	Comments
UL Weatherability Rating	F(1)/F(2)	UL-746C

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