

## Axiall Suprel® SVA 9412 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

Georgia Gulf Suprel® SVA 9412 injection molding alloy features excellent impact resistance, excellent processing characteristics and comprehensive UL listings. The UL listings of Suprel 9412 include elevated Relative Thermal Index ratings, weatherability listings per UL 746C and good flammability listings. 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-9412-Rigid-PVC-Molding.php](http://www.lookpolymers.com/polymer_Axiall-Suprel-SVA-9412-Rigid-PVC-Molding.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 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	32.4 MPa	4700 psi	ASTM D-638
Tensile Modulus	1.93 GPa	280 ksi	ASTM D-638
Flexural Strength	50.3 MPa	7300 psi	ASTM D-790
Flexural Modulus	1.72 GPa	250 ksi	ASTM D-790
Izod Impact, Notched	1.60 J/cm	3.00 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	0.102 J	0.0750 ft-lb	per mil; ASTM D-4226
	@Thickness 1.59 mm, Temperature -40.0 °C	@Thickness 0.0625 in, Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	75.0 °C	167 °F	unannealed; ASTM D-648
	81.00 °C	177.8 °F	annealed; ASTM D-648
Deflection Temperature at 1.8 MPa (264 psi)	66.00 °C	150.8 °F	unannealed; ASTM D-648
	80.0 °C	176 °F	annealed; ASTM D-648

Vicat Softening Point Thermal Properties	88.3 °C Metric	191 °F English	annealed: ASTM D-1525A Comments
UL RTI, Electrical	95.0 °C	203 °F	UL-746B
UL RTI, Mechanical with Impact	85.0 °C	185 °F	UL-746B
UL RTI, Mechanical without Impact	95.0 °C	203 °F	UL-746B
Flammability, UL94	V-0	V-0	
	@Thickness 2.54 mm	@Thickness 0.100 in	
	5VA	5VA	
	@Thickness 2.00 mm	@Thickness 0.0787 in	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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