

Axiall Suprel® SVA 9812 Rigid PVC, Extrusion

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf Suprel® SVA 9812 Alloy is an extrusion grade thermoplastic designed for sheet or profile applications requiring high impact resistance. Key features of Suprel 9812 alloy are flame retardance and excellent toughness at both room temperature and low temperatures. Suprel 9812 has good extrusion characteristics including good thermal stability and high gloss. It is particularly well suited for profile extrusion because the combination of low die swell, good melt strength and good melt stiffness allow easy sizing of extruded profiles. Suprel 9812 alloy is available in a full range of colors, or as un-pigmented "natural" for coloring on-line with concentrates. Typical applications include extruded sheet or profiles for use in construction, automotive, recreation, telecommunications or electrical products. Suprel 9812 can be used in exterior, weatherable applications if appropriate pigmentation is included. 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-9812-Rigid-PVC-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	74	74	15 Seconds Delay; ASTM D-2246
	79	79	Instantaneous; ASTM D-2246
Tensile Strength, Yield	44.8 MPa	6500 psi	ASTM D-638
Tensile Modulus	2.32 GPa	337 ksi	ASTM D-638
Flexural Strength	63.4 MPa	9200 psi	ASTM D-790
Flexural Modulus	2.25 GPa	327 ksi	ASTM D-790
Izod Impact, Notched	4.27 - 5.87 J/cm	8.00 - 11.0 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 0.000 °C	@Thickness 0.125 in, Temperature 32.0 °F	
	8.54 J/cm	16.0 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 22.2 °C	@Thickness 0.125 in, Temperature 72.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.2 °C	180 °F	annealed; ASTM D-648
Deflection Temperature at 1.8 MPa (264 psi)	82.2 °C	180 °F	annealed; ASTM D-648

Thermal Properties	Metric	English	Comments
UL RTI, Electrical	50.0 °C	122 °F	UL-746B
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	
Flame Spread Index	35	35	RP; ASTM E-162

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