

Axiall SP-6235 Rigid PVC, Molding

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf SP-6235 is a high flow rigid PVC compound designed for electrical and custom molding applications. This compound features excellent physical properties, high melt flow and exceptionally high impact strength, especially at low temperatures. SP-6235 also carries an elevated UL Relative Thermal Index rating. 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-6235-Rigid-PVC-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 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	37.2 MPa	5400 psi	ASTM D-638
Tensile Modulus	2.21 GPa	320 ksi	ASTM D-638
Izod Impact, Notched	0.801 J/cm	1.50 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature -40.0 °C	@Thickness 0.125 in, Temperature -40.0 °F	
	1.66 J/cm	3.10 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature -20.0 °C	@Thickness 0.125 in, Temperature -4.00 °F	
	7.21 J/cm	13.5 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 0.000 °C	@Thickness 0.125 in, Temperature 32.0 °F	
	10.7 J/cm	20.0 ft-lb/in	ASTM D-256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	68.00 °C	154.4 °F	unannealed; ASTM D-648
	75.0 °C	167 °F	annealed; ASTM D-648
Deflection Temperature at 1.8 MPa (264 psi)	61.00 °C	141.8 °F	unannealed; ASTM D-648
	69.00 °C	156.2 °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 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	
	@Thickness 2.03 mm	@Thickness 0.0799 in	
	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	

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