

Solvay Specialty Polymers Polidienne® G/220 Thermoset Elastomer (TSE)

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Polidienne® XLPO -Cross-linkable Polyolefin. Elastomer based compound crosslinkable by ambient moisture, consisting of a silane pregrafted base compound to be used with a catalyst masterbatch (Sioplas® method) Standards complying: Cenelec HD 22.1 EI7; Cenelec HD 603 DIH1, DIH2 and DIH3; IEC 60502 EPR and HEPR; IEC 60092/351 EPR and HEPR; BS 7655 GP4, GP5, GP6 and GP7; EN 50363-0 G7; VDE 0207/20 3GI3 Features: Crosslinkable Uses: Low Voltage Insulation; Power Cable Jacketing; Wire & Cable Applications Additional Properties: Change in Bend Test - IEC 60811 (150°C): No cracks; Collar Temperature - 150 to 170 °C; Head Temperature - 160 to 180 °C; Hot Set - IEC 60811 60 %; Hot Set - IEC 60811 5.0 %; Insulation Resistance Constant - IEC 60502 (20°C): 15000 Mohm·km; Insulation Resistance Constant - IEC 60502 (90°C): 5000 Mohm·km; Water Absorption - IEC 60811 (100°C): 1.00 mg/cm² Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Polidienne-G220-Thermoset-Elastomer-TSE.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in³	ASTM D792
Melt Flow	0.45 g/10 min @Load 2.16 kg, Temperature 190 °C	0.45 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	[ISO 868
Hardness, Shore D	26	26	ISO 868
Tensile Strength at Break	18.0 MPa	2610 psi	ASTM D638
Elongation at Break	500 %	500 %	ASTM D638
Tensile Modulus	0.00580 GPa	0.841 ksi	ISO 527-2

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.40e+15 ohm-cm @Temperature 90.0 °C	1.40e+15 ohm-cm @Temperature 194 °F	ASTM D257
	4.10e+15 ohm-cm @Temperature 20.0 °C	4.10e+15 ohm-cm @Temperature 68.0 °F	ASTM D257
Dielectric Constant	2.3 @Frequency 1000 Hz	2.3 @Frequency 1000 Hz	ASTM D150

Electrical Properties	Metric	English	Comments
Dielectric Strength	35.0 kV/mm	889 kV/in	ASTM D149
Dissipation Factor	0.00080	0.00080	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Zone 1	140 - 160 Â°C	284 - 320 Â°F	
Zone 2	140 - 160 Â°C	284 - 320 Â°F	
Zone 3	150 - 170 Â°C	302 - 338 Â°F	
Zone 4	150 - 170 Â°C	302 - 338 Â°F	
Die Cooling Temperature	200 - 240 Â°C	392 - 464 Â°F	

Descriptive Properties	Value	Comments
Availability	Asia Pacific	
	Europe	
	North America	
RoHS Compliance	RoHS Compliant	

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