

S&E Specialty Polymers GA-1050-OR3-LF PVC

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Uncompounded

Material Notes:

Application: Lead free, 105° C PVC insulating compound designed for SJEOO applications. Complies with RoHS requirements. Information provided by S&E Specialty Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-GA-1050-OR3-LF-PVC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 - 1.33 g/cc	1.27 - 1.33 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78 - 86	78 - 86	ASTM D2240
Tensile Strength	17.8 MPa	2580 psi	ASTM D412
	15.66 MPa	2271 psi	
	@Treatment Temp. 136 °C, Time 605000 sec	@Treatment Temp. 277 °F, Time 168 hour	Oven aged
	15.66 MPa	2271 psi	
	@Treatment Temp. 60.0 °C, Time 605000 sec	@Treatment Temp. 140 °F, Time 168 hour	
Elongation at Break	280 %	280 %	ASTM D412
	291.2 %	291.2 %	
	@Treatment Temp. 136 °C, Time 605000 sec	@Treatment Temp. 277 °F, Time 168 hour	Oven aged
	305.2 %	305.2 %	
	@Treatment Temp. 60.0 °C, Time 605000 sec	@Treatment Temp. 140 °F, Time 168 hour	
100% Modulus	0.00965 GPa	1.40 ksi	ASTM D412

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-24.0 °C	-11.2 °F	ASTM D746
Oxygen Index	27 %	27 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+14 ohm-cm	2.00e+14 ohm-cm	wet; ASTM D257
	5.00e+14 ohm-cm	5.00e+14 ohm-cm	dry; ASTM D257

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