

Solvay TECHNYLÂ® C 218 V33 PA6, 33% glass fiber, Eh 50

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Glass Fiber Filled

Material Notes:

Description: Polyamide PA6, reinforced with 33% of glass fiber, heat stabilized, for injection molding. Applications: It has good mechanical properties, it is used in all sectors of industry, offering an excellent combination between thermal and mechanical properties. It is used in the automotive industry and electrical sectors. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-C-218-V33-PA6-33-glass-fiber-Eh-50.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/inÂ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	113 MPa	16400 psi	ISO 527 Type 1A
Elongation at Break	4.2 %	4.2 %	ISO 527 Type 1A
Tensile Modulus	6.62 GPa	960 ksi	ISO 527 Type 1A
Flexural Modulus	6.04 GPa	876 ksi	ISO 178
Izod Impact, Notched (ISO)	26.0 kJ/mÂ²	12.4 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact, Notched	3.24 J/cmÂ²	15.4 ft-lb/inÂ²	ISO 179/1eA

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	IEC 60093
Surface Resistance	1.00e+11 ohm	1.00e+11 ohm	IEC 60093
Dielectric Constant	4.5	4.5	IEC 60250
Dielectric Strength	22.0 kV/mm	559 kV/in	IEC 60243
Dissipation Factor	0.090	0.090	IEC 60250
Comparative Tracking Index	475 V	475 V	Solution A; IEC60112

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.20 %	<= 0.20 %	

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