

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

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 50% Glass Fiber Filled

Material Notes:

Description: TECHNYL C 218 V50 is a polyamide 6 reinforced with 50% of glass fiber with excellent thermal stabilityColors: it is supplied in natural color and black color.Available in: Latin America and North AmericaMain Properties: ? Dimensional stability, Impact Resistance, Stiffness, and Excellent thermal resistance Applications: TECHNYL C 218 V50 is indicated for pieces that require dimensional stability and good mechanical proprieties like impact at higher temperatures.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-V-50-PA6-50-glass-fiber-Eh-50.php

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/inÂ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	150 MPa	21800 psi	ISO R 527
Elongation at Break	3.0 %	3.0 %	ISO R 527
Tensile Modulus	8.60 GPa	1250 ksi	ISO R 527
Izod Impact, Notched (ISO)	29.0 kJ/mÂ²	13.8 ft-lb/inÂ²	ISO 180
Charpy Impact Unnotched	11.5 J/cmÂ²	54.7 ft-lb/inÂ²	ISO 179
Charpy Impact, Notched	3.40 J/cmÂ²	16.2 ft-lb/inÂ²	ISO 179

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	CEI 93
Dielectric Constant	4.5	4.5	CEI 250
Dielectric Strength	22.0 kV/mm	559 kV/in	CEI 93
Dissipation Factor	0.0090	0.0090	CEI 250
Comparative Tracking Index	475 V	475 V	CEI 112

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