

Solvay TECHNYLÂ® C 218 V 30 PA6, 30% glass fiber, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Glass Fiber Filled

Material Notes:

Description: TECHNYLÂ® C 218 V30 is a polyamide 6, heat stabilized, reinforced with 30% of glass fiber, for injection molding. This product is available in black color. Benefits: The product offers an excellent combination between thermal and mechanical properties. Available in: Asia Pacific, Europe, Latin America and North America Regulations compliance: Grades produced or imported in Europe comply with directive 453/2010/EC, which amends REACH directive 1907/2006/EC. This grade complies with RoHS directive 2002/95/EC. Unless specified, this grade is not suitable for food contact, medical devices or toy applications. Applications: It is used in a wide variety of industries. 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-30-PA6-30-glass-fiber-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/inÂ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	ISO 527 Type 1A
Tensile Stress	42.0 MPa	6090 psi	
	@Strain 1.00 %	@Strain 1.00 %	
	70.0 MPa	10200 psi	
	@Strain 2.00 %	@Strain 2.00 %	
	85.0 MPa	12300 psi	
	@Strain 3.00 %	@Strain 3.00 %	
	100 MPa	14500 psi	
	@Strain 4.00 %	@Strain 4.00 %	
Elongation at Break	4.5 %	4.5 %	ISO 527 Type 1A
Tensile Modulus	6.20 GPa	899 ksi	ISO 527 Type 1A
Flexural Modulus	4.90 GPa	711 ksi	ISO 178
Izod Impact, Notched (ISO)	24.0 kJ/mÂ²	11.4 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact Unnotched	10.5 J/cmÂ²	50.0 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	3.15 J/cmÂ²	15.0 ft-lb/inÂ²	ISO 179/1eA

Electrical Properties	Metric	English	Comments
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Volume Resistivity Electrical Properties	1.00e+11 ohm-cm Metric	1.00e+11 ohm-cm English	IEC 60093 Comments
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	600 V	600 V	Solution A; IEC 60112

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

Contact Songhan Plastic Technology Co.,Ltd.

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