

Solvay TECHNYLÂ® C 216 V40 PA6, 40% glass fiber, Conditioned

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

Material Notes:

Description: TECHNYLÂ® C 216 V40 is a polyamide 6, reinforced with 40% of glass fiber, for injection molding. This product is available in black color.
Benefits: The product offers a good combination between thermal and mechanical properties. Available in: Europe 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-216-V40-PA6-40-glass-fiber-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/inÂ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	140 MPa	20300 psi	ISO 527 Type 1A
Elongation at Break	3.5 %	3.5 %	ISO 527 Type 1A
Tensile Modulus	7.30 GPa	1060 ksi	ISO 527 Type 1A
Flexural Modulus	7.20 GPa	1040 ksi	ISO 178
Izod Impact, Notched (ISO)	29.0 kJ/mÂ²	13.8 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact Unnotched	11.5 J/cmÂ²	54.7 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	3.40 J/cmÂ²	16.2 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 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; IEC 60112

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

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