

Solvay TECHNYLÂ® A 218 V40 PA66, 40% glass fiber, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled

Material Notes:

Description: Polyamide PA66, reinforced with 40% of glass fiber, heat stabilized for injection molding. Available in: Asia Pacific, Europe and North America
Product Applications: TECHNYL A 218 V40 is used in all sectors of industry, offering an excellent combination between thermal and mechanical properties. This grade is used in: automotive industry, manufacture of components for electrical tools, and transport and building. This product is available in natural and black. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-218-V40-PA66-40-glass-fiber-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/inÂ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	165 MPa	23900 psi	ISO 527 Type 1A
Elongation at Break	3.0 %	3.0 %	ISO 527 Type 1A
Tensile Modulus	9.90 GPa	1440 ksi	ISO 527 Type 1A
Flexural Modulus	7.80 GPa	1130 ksi	ISO 178
Izod Impact, Notched (ISO)	18.0 kJ/mÂ²	8.57 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact Unnotched	9.80 J/cmÂ²	46.6 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	1.90 J/cmÂ²	9.04 ft-lb/inÂ²	ISO 179/1eA

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	IEC 60093
Surface Resistance	1.00e+11 ohm	1.00e+11 ohm	IEC 60093
Dielectric Constant	4.0	4.0	IEC 60250
Dielectric Strength	30.0 kV/mm	762 kV/in	IEC 60243
Dissipation Factor	0.11	0.11	IEC 60250
Comparative Tracking Index	450 V	450 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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