

Solvay TECHNYLÂ® A 218G1 V30 Black 34N PA66, 30% glass fiber, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Description: Polyamide 66, reinforced with 30% of glass fiber, for injection molding. This grade shows an improved retention of properties after long term ageing in automotive cooling liquids. For 700 hours' ageing at 132 Â°C and pressure of 2 bars in water glycol environment, impact properties are increased by 50% in comparison with standard glycol grade TECHNYL A218 V30 black 34NG. Available in: Asia Pacific and Latin America
 Product Applications: TECHNYLÂ® A 218 G1 V30 BLACK 34N is particularly recommended for the injection molding of parts in permanent contact with cooling liquids in cars, such as: cooling and heating radiator systems, header tanks, thermostat components, inlet / outlet pipes. This product is available in 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-218G1-V30-Black-34N-PA66-30-glass-fiber-Conditioned.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	140 MPa	20300 psi	ISO 527 Type 1A
Elongation at Break	4.0 %	4.0 %	ISO 527 Type 1A
Tensile Modulus	7.50 GPa	1090 ksi	ISO 527 Type 1A
Flexural Strength	185 MPa	26800 psi	ISO 178
Flexural Modulus	6.40 GPa	928 ksi	ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/mÂ²	7.14 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact Unnotched	10.0 J/cmÂ²	47.6 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	1.50 J/cmÂ²	7.14 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 Strength	29.0 kV/mm	737 kV/in	IEC 60243
Dissipation Factor	0.11	0.11	IEC 60250
Comparative Tracking Index	600 V	600 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
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Processing Properties

Metric

English

Comments

Contact Songhan Plastic Technology Co.,Ltd.

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