

Solvay TECHNYLÂ® B 218 V30 Black 21 N PA66, 30% glass fiber, Conditioned

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

Material Notes:

Description: Copolyamide PA66/6, reinforced with 30% of glass fiber, heat stabilized, for injection molding. Available in: Asia Pacific and Europe
 Product Applications: TECHNYLÂ® B 218 V30 is used in all sectors of industry, offering an excellent combination between thermal and mechanical properties. This grade is commonly used in the automotive industry; especially for the production of unpainted external parts due to its excellent surface finish, such as: door mirror housing, door handles. This product is available in grey 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-B-218-V30-Black-21-N-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	115 MPa	16700 psi	ISO 527 Type 1A
Elongation at Break	8.0 %	8.0 %	ISO 527 Type 1A
Tensile Modulus	6.50 GPa	943 ksi	ISO 527 Type 1A
Flexural Modulus	4.70 GPa	682 ksi	ISO 178
Izod Impact, Notched (ISO)	19.0 kJ/mÂ²	9.04 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact Unnotched	9.20 J/cmÂ²	43.8 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	1.60 J/cmÂ²	7.61 ft-lb/inÂ²	ISO 179/1eA

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.50e+11 ohm-cm	1.50e+11 ohm-cm	IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093
Dielectric Constant	4.0	4.0	IEC 60250
Dielectric Strength	29.0 kV/mm	737 kV/in	IEC 60243
Dissipation Factor	0.11	0.11	IEC 60250

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

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