

Solvay TECHNYLÂ® A 218G V33 Black 41N PA66, 33% glass fiber, DRY

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

Material Notes:

Description: TECHNYLÂ® A 218G V33 Black 41N is a polyamide 66, reinforced with 33% of glass fiber, heat stabilized, for injection molding. The product is available in black color. Benefits: This product has been specially designed to improve its resistance to automotive cooling liquids, increasing lifetime of parts in permanent contact with such a liquids. It is also specially formulated to offer a good surface aesthetics. Available in: 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: TECHNYL A 218G V33 Black 41N is particularly recommended for the injection molding of gun stocks and frames, as well as parts in permanent contact with cooling liquids in transport vehicles such as: cooling and heating radiator systems, tank headers, thermostat components, inlet and outlet pipes. 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-218G-V33-Black-41N-PA66-33-glass-fiber-DRY.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/inÂ³	ISO 1183/A
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	
Linear Mold Shrinkage, Transverse	0.010 cm/cm	0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	174 MPa	25200 psi	ISO 527 Type 1A
Elongation at Break	2.9 %	2.9 %	ISO 527 Type 1A
Tensile Modulus	8.50 GPa	1230 ksi	ISO 527 Type 1A
Flexural Strength	264 MPa	38300 psi	ISO 178
Flexural Modulus	8.70 GPa	1260 ksi	ISO 178
Izod Impact, Notched (ISO)	9.80 kJ/mÂ²	4.66 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact Unnotched	7.20 J/cmÂ²	34.3 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	0.870 J/cmÂ²	4.14 ft-lb/inÂ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	260 Â°C	500 Â°F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	250 Â°C	482 Â°F	ISO 75/ Af

Processing Properties	Metric	English	Comments
Feed Temperature	255 - 265 Â°C	491 - 509 Â°F	
Mold Temperature	60.0 - 80.0 Â°C	140 - 176 Â°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	265-275Â°C	
Mixing Zone	275-280Â°C	

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