

Solvay TECHNYLÂ® A 218 PA66, 33% glass fiber, Conditioned

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

Material Notes:

Standard viscosity, heat stabilized for injection molding. It is available in natural and black colors. Benefits: This product offers all the primary properties of unreinforced polyamide 66. In addition, it has improved resistance to high temperature, and can be used for components which will withstand long-term temperature stresses. Available in: Asia Pacific, Europe, Latin America 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. 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-PA66-33-glass-fiber-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ISO 527 Type 1A
Tensile Strength, Yield	60.0 MPa	8700 psi	ISO 527 type 1 A
Elongation at Break	200 %	200 %	ISO 527 Type 1A
Elongation at Yield	10 %	10 %	ISO 527 type 1 A
Tensile Modulus	1.50 GPa	218 ksi	ISO 527 Type 1A
Flexural Strength	70.0 MPa	10200 psi	ISO 178
Flexural Modulus	1.30 GPa	189 ksi	ISO 178
Izod Impact, Unnotched	NB	NB	ASTM D256
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180/1eA
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179/1eA

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 60093
Dielectric Constant	3.2	3.2	IEC 60250

Dielectric Strength Electrical Properties	22.0 kV/mm Metric	559 kV/in English	IEC 60243 Comments
Dissipation Factor	0.080	0.080	IEC 60250
Comparative Tracking Index	600 V	600 V	Solution A; IEC 60112

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

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