

Solvay TECHNYLÂ® A 218W V30 Black FA 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, heat stabilized, with improved hydrolysis resistance. Available in: Europe Product Applications: TECHNYL A 218W V30 Black FA is used in all sectors of industry, offering an excellent combination of thermal and mechanical properties. This grade is recommended for the production of mechanical components in permanent or intermittent contact with hot water: i.e. (electro-magnetic valves). This material restricts electrolytical corrosion and can be used as insulation material for electronic connectors. The values of properties are for black grade. 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-218W-V30-Black-FA-PA66-30-glass-fiber-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/inÂ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	130 MPa	18900 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	180 MPa	26100 psi	ISO 178
Flexural Modulus	6.40 GPa	928 ksi	ISO 178
Izod Impact, Notched (ISO)	17.0 kJ/mÂ²	8.09 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact Unnotched	9.00 J/cmÂ²	42.8 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+11 ohm-cm	1.00e+11 ohm-cm	IEC 60093
Surface Resistance	1.00e+11 ohm	1.00e+11 ohm	IEC 60093
Dielectric Constant	3.3	3.3	IEC 60250
Dissipation Factor	0.080	0.080	IEC 60250

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

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