

Solvay TECHNYLÂ® A 218W V30 Natural PA66, 30% glass fiber, Conditioned

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

Material Notes:

Description: TECHNYLÂ® A 218W V30 Nat is a polyamide 66, reinforced with 30% of glass fiber, heat stabilized, for injection molding. This product is available in natural color. **Benefits:** The product offers an outstanding long term heat resistance and is suitable to work in environments characterized by a very high temperature. The product offers an improved hydrolysis resistance, as well as an excellent combination between thermal and mechanical properties. It also restricts electrolytical corrosion. **Available in:** Asia Pacific and Europe **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:** This grade is recommended for the production of mechanical components in permanent or intermittent contact with hot water, such as electro-magnetic valves. It can also be used as insulation material for electronic connectors, due to its limited electrolytical corrosion. **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-Natural-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	135 MPa	19600 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 Modulus	6.50 GPa	943 ksi	ISO 178
Izod Impact, Notched (ISO)	17.0 kJ/mÂ²	8.09 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact Unnotched	9.50 J/cmÂ²	45.2 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+12 ohm	1.00e+12 ohm	IEC 60093
Dielectric Constant	4.3	4.3	IEC 60250
Dielectric Strength	40.0 kV/mm	1020 kV/in	IEC 60243
Dissipation Factor	0.080	0.080	IEC 60250

Comparative Tracking Index Electrical Properties	600 V Metric	600 V English	Solution A- IEC 60112 Comments
Processing Properties	Metric	English	Comments
Moisture Content	<= 0.20 %	<= 0.20 %	

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