

Solvay TECHNYLÂ® B 50 H1 PA66/6, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66

Material Notes:

Description: TECHNYLÂ® B 50H1 is an unreinforced melamine cyanurate flame retarded copolyamide 66/6. This product has been heat stabilized and is suitable for injection molding. This product is available in natural, black, and in other colors upon request. Benefits: This phosphorus and halogen free flame retardant grade, UL94 V0 at 0.4mm, offers excellent filling qualities together with good stiffness. 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. Applications: Connectivity-junction blocks, terminal blocks, connectorsâ€¦ 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-50-H1-PA666-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/inÂ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ISO 527 Type 1A
Tensile Strength, Yield	40.0 MPa	5800 psi	ISO 527 type 1 A
Elongation at Break	100 %	100 %	ISO 527 Type 1A
Elongation at Yield	5.0 %	5.0 %	ISO 527 type 1 A
Tensile Modulus	2.20 GPa	319 ksi	ISO 527 Type 1A
Flexural Strength	70.0 MPa	10200 psi	ISO 178
Izod Impact, Notched (ISO)	6.50 kJ/mÂ²	3.09 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	0.550 J/cmÂ²	2.62 ft-lb/inÂ²	ISO 179/1eA

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 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	30.0 kV/mm	762 kV/in	IEC 60243
Dissipation Factor	0.060	0.060	IEC 60250

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	Solution A; IEC 60112
	600 V	600 V	Solution B; IEC 60112

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

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