

Solvay TECHNYLÂ® C 50 H2 PA6, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

Description: TECHNYLÂ® C 50H2 is a unreinforced melamine cyanurate flame retarded polyamide 6. This product is heat stabilized and can be used for injection molding and extrusion processes. This product is available in natural & black, and in other colors upon request.
Benefits: This product, UL94 VO @ 0,4mm, offers excellent moldability 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, connectors
 Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-C-50-H2-PA6-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	50.0 MPa	7250 psi	ISO 527 type 1 A
Elongation at Break	38 %	38 %	ISO 527 Type 1A
Elongation at Yield	5.0 %	5.0 %	ISO 527 type 1 A
Tensile Modulus	2.00 GPa	290 ksi	ISO 527 Type 1A
Flexural Strength	70.0 MPa	10200 psi	ISO 178
Flexural Modulus	2.00 GPa	290 ksi	ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/mÂ²	7.14 ft-lb/inÂ²	ISO 180/1eA
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	3.9	3.9	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	50 V	50 V	Solution A, IEC 60112

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

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