

Solvay TECHNYLÂ® A 20 V25 PA66, 25% glass fiber, Conditioned

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

Material Notes:

Description: TECHNYLÂ® A 20 V25 is a 25% glass fiber reinforced Red Phosphorous flame retarded grade based on a polyamide 66 resin. This product is heat stablised for optimised injection moulding. This product is available in Natural & Black. Key Properties: UL94 V0 at 0.8mm and Excellent filling qualitiesBenefits: This Red Phosphorous flame retardent grade provides robust UL 94 V-0 and a full UL yellow card while offering good mechanical properties. This grade is suitable for moulding insulating parts for electrical devices, and more generally for thin parts under stress. Available in: Asia Pacific, Europe, Latin America and North AmericaRegulations compliance: Grades produced or imported in Europe comply with directive 453/2010/EC, which amends REACH directive 1907/2006/E.C.This grade complies with RoHS directive 2002/95/EC. Unless specified, this grade is not suitable for food contact, medical devices or toy applicationsApplications: Industrial controls and electrical insulation systemInformation provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-20-V25-PA66-25-glass-fiber-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/inÂ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	105 MPa	15200 psi	ISO 527 Type 1A
Elongation at Break	4.1 %	4.1 %	ISO 527 Type 1A
Tensile Modulus	6.50 GPa	943 ksi	ISO 527 Type 1A
Flexural Strength	155 MPa	22500 psi	ISO 178
Flexural Modulus	6.00 GPa	870 ksi	ISO 178
Izod Impact, Notched (ISO)	9.00 kJ/mÂ²	4.28 ft-lb/inÂ²	ISO 180/1A
Charpy Impact Unnotched	6.00 J/cmÂ²	28.6 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	0.900 J/cmÂ²	4.28 ft-lb/inÂ²	ISO 179/1eA

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093
Dielectric Strength	25.0 kV/mm	635 kV/in	IEC 60243
Dissipation Factor	0.050	0.050	IEC 60250

Comparative Tracking Index Electrical Properties	350 V Metric	350 V English	Solution A: IEC 60112 Comments
Processing Properties	Metric	English	Comments
Moisture Content	<= 0.20 %	<= 0.20 %	

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