Solvay TECHNYLÂ® A 218 S40 Black 21 N PA66, 40% glass spheres, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled

Material Notes:

Description: Polyamide 66, reinforced with 40% of glass spheres, heat stabilized, for injection molding.Available in: EuropeProduct Applications: TECHNYL Â® A 218 S40 is used in all sectors of industry, offering an excellent combination between thermal and mechanical properties. This grade is recommended for mechanical components which require a very good surface finish with low warpage, and good compression strength (bearing housings). This product is available in black.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-218-S40-Black-21-N-PA66-40-glass-spheres-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/inÂ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	ISO 527 Type 1A
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO 527 type 1 A
Elongation at Break	35 %	35 %	ISO 527 Type 1A
Elongation at Yield	20 %	20 %	ISO 527 type 1 A
Tensile Modulus	3.00 GPa	435 ksi	ISO 527 Type 1A
Flexural Strength	75.0 MPa	10900 psi	ISO 178
Flexural Modulus	2.45 GPa	355 ksi	ISO 178
Izod Impact, Notched (ISO)	7.00 kJ/mÂ²	3.33 ft-lb/inÂ²	ISO 180/1A
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	0.750 J/cmÂ²	3.57 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	5.00e+10 ohm	5.00e+10 ohm	IEC 60093
Dielectric Constant	5.0	5.0	IEC 60250
Dielectric Strength	26.0 kV/mm	660 kV/in	IEC 60243

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.11	0.11	IEC 60250
Comparative Tracking Index	400 V	400 V	Solution A; IEC 60112

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

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