

Solvay TECHNYLÂ® A 216 PA66, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Description: Unreinforced polyamide 66, medium viscosity, for injection molding. Available in: Asia Pacific and Latin America

Applications: TECHNYL Â® A 216 offers all of the primary properties of unreinforced polyamide 66, such as: thermal and mechanical properties , impact resistance, abrasion and chemical resistance. This product is used in a wide variety of industries, including: industrial tools , frame of fuel filter for automobile, household appliances (housings fasteners, cable ties, bottle caps). This product is available in a large range of colors, and special colors on request. 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-216-PA66-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/inÂ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	ISO 527 Type 1A
Tensile Strength, Yield	60.0 MPa	8700 psi	ISO 527 type 1 A
Elongation at Break	300 %	300 %	ISO 527 Type 1A
Elongation at Yield	30 %	30 %	ISO 527 type 1 A
Tensile Modulus	1.50 GPa	218 ksi	ISO 527 Type 1A
Flexural Strength	50.0 MPa	7250 psi	ISO 178
Flexural Modulus	1.30 GPa	189 ksi	ISO 178
Izod Impact, Notched (ISO)	12.0 kJ/mÂ²	5.71 ft-lb/inÂ²	ISO 180/1A
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	1.40 J/cmÂ²	6.66 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 Constant	3.2	3.2	IEC 60250
Dielectric Strength	26.0 kV/mm	660 kV/in	IEC 60243
Dissipation Factor	0.080	0.080	IEC 60250

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	575 V	575 V	Solution A: IEC 60112

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

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