

Solvay TECHNYLÂ® C 216 PA6, Conditioned

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

Material Notes:

Description: Unreinforced polyamide PA6, standard nucleation for fast cycling, for injection molding. Available in: Asia Pacific Product

Applications: This grade has a high fluidity and good mould release. It is specially suitable for the production of technical moldings with fast injection cycles. This product is available in 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-C-216-PA6-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	ISO 527 Type 1A
Elongation at Break	270 %	270 %	ISO 527 Type 1A
Tensile Modulus	1.10 GPa	160 ksi	ISO 527 Type 1A
Flexural Strength	40.0 MPa	5800 psi	ISO 178
Flexural Modulus	1.00 GPa	145 ksi	ISO 178
Izod Impact, Notched (ISO)	75.0 kJ/m ²	35.7 ft-lb/in ²	ISO 180/1eA
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	8.40 J/cm ²	40.0 ft-lb/in ²	ISO 179/1eA

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+10 ohm-cm	1.00e+10 ohm-cm	IEC 60093
Surface Resistance	1.00e+10 ohm	1.00e+10 ohm	IEC 60093
Dielectric Constant	3.9	3.9	IEC 60250
Dielectric Strength	18.0 kV/mm	457 kV/in	IEC 60243
Dissipation Factor	0.10	0.10	IEC 60250

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

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