

Solvay TECHNYLÂ® C 442 Black V PA6, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Impact Grade

Material Notes:

Description: Unreinforced polyamide PA6, high viscosity, with high flexibility and very high impact resistance even at low temperature, for extrusion. Available in: Europe Product Applications: It has high flexibility and very high impact strength. It is specially available for pipes extrusion. 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-442-Black-V-PA6-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/inÂ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	ISO 527 type 1 A
Elongation at Break	270 %	270 %	ISO 527 Type 1A
Tensile Modulus	0.400 GPa	58.0 ksi	ISO 527 Type 1A
Flexural Strength	20.0 MPa	2900 psi	ISO 178
Flexural Modulus	0.380 GPa	55.1 ksi	ISO 178
Izod Impact, Notched (ISO)	NB	NB	ISO 180/1eA
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	NB	NB	ISO 179/1eA

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	IEC 60093
Surface Resistance	1.00e+10 ohm	1.00e+10 ohm	IEC 60093
Dielectric Constant	4.0	4.0	IEC 60250
Dielectric Strength	18.0 kV/mm	457 kV/in	IEC 60243
Dissipation Factor	0.12	0.12	IEC 60250

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

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