

Solvay TECHNYL® C 507XT PA6, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Extruded

Material Notes:

Description: Unreinforced polyamide 6, heat stabilized, very high viscosity, for extrusion. Available in: Europe Product Applications: It is suitable for extruded semi-finished products, such as: Rods, profiles, sheets, pipes. All the semi-finished products can be machined without special treatment, such as: Precision gears, bolts, etc. This product is available in natural. 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-507XT-PA6-DRY.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	ISO 527 Type 1A
Tensile Strength, Yield	78.0 MPa	11300 psi	ISO 527 type 1 A
Elongation at Break	30 %	30 %	ISO 527 Type 1A
Elongation at Yield	4.0 %	4.0 %	ISO 527 type 1 A
Tensile Modulus	2.78 GPa	403 ksi	ISO 527 Type 1A
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	0.580 J/cm ²	2.76 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	222 Â°C	432 Â°F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	117 Â°C	243 Â°F	ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	55.0 Â°C	131 Â°F	ISO 75/Af

Processing Properties	Metric	English	Comments
Feed Temperature	230 Â°C	446 Â°F	
Front Barrel Temperature	230 Â°C	446 Â°F	
Die Temperature	240 Â°C	464 Â°F	

Descriptive Properties	Value	Comments
Compression Zone	230Â°C	

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