

Solvay TECHNYLÂ® A 50H1 PA66, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Description: Flame retardant polyamide 66, unreinforced, heat stabilized, for injection molding. Available in: Asia Pacific, Europe, Latin America and North America
 Product Applications: This phosphorus and halogen free flame retardant grade, offers excellent filling qualities combined with good stiffness. It is particularly suitable for molding insulating parts for electrical components: Components for electrical connections: junction blocks, terminal blocks, and connectors. This product is available in natural. Other colors can be provided upon 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-50H1-PA66-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	46.0 MPa	6670 psi	ISO 527 Type 1A
Tensile Strength, Yield	53.0 MPa	7690 psi	ISO 527 type 1 A
Elongation at Break	140 %	140 %	ISO 527 Type 1A
Elongation at Yield	22.3 %	22.3 %	ISO 527 type 1 A
Tensile Modulus	2.20 GPa	319 ksi	ISO 527 Type 1A
Flexural Strength	61.0 MPa	8850 psi	ISO 178
Flexural Modulus	1.71 GPa	248 ksi	ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180/1eA
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	1.01 J/cm ²	4.81 ft-lb/in ²	ISO 179/1eA

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

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