

Solvay TECHNYL® A 221 PA66, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Description TECHNYL® A 221 is an unreinforced polyamide 66, medium viscosity, for injection molding, with a special crystallizing agent, for fast cycles. It is available in natural colors. Benefits: The product offers a good combination between primary properties of the unreinforced polyamide 66 and processing properties leading to increased productivity. These performances are associated with excellent dimensional stability and good rigidity of molded parts. Available in: Asia Pacific, Europe, Latin America and North America. Regulations compliance: Grades produced or imported in Europe comply with directive 453/2010/EC, which amends REACH directive 1907/2006/EC. This grade complies with RoHS directive 2002/95/EC. Unless specified, this grade is not suitable for food contact, medical devices or toy applications. Applications: Connectors, lighters, aerosol valves. 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-221-PA66-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	65.0 MPa	9430 psi	ISO 527 Type 1A
Tensile Stress	30.0 MPa	4350 psi	
	@Strain 2.50 %	@Strain 2.50 %	
	40.0 MPa	5800 psi	
	@Strain 5.00 %	@Strain 5.00 %	
	45.0 MPa	6530 psi	
	@Strain 7.50 %	@Strain 7.50 %	
	50.0 MPa	7250 psi	
	@Strain 10.0 %	@Strain 10.0 %	
	60.0 MPa	8700 psi	
	@Strain 25.0 %	@Strain 25.0 %	
Elongation at Break	105 %	105 %	ISO 527 Type 1A
Tensile Modulus	2.00 GPa	290 ksi	ISO 527 Type 1A
Flexural Strength	55.0 MPa	7980 psi	ISO 178
Flexural Modulus	1.40 GPa	203 ksi	ISO 178
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	ISO 179/1eA

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 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
Comparative Tracking Index	600 V	600 V	Solution A; IEC 60112

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

Contact Songhan Plastic Technology Co.,Ltd.

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