

Solvay TECHNYL[®] A 21T2 V25 PA66, 25% glass fiber, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Description: Flame retardant polyamide 66, reinforced with 25% of glass fiber, heat stabilized, for injection molding. Available in: Asia Pacific, Europe, Latin America and North America Product Applications: This phosphorus flame retardant grade, offers excellent filling qualities and with good mechanical properties. This grade is stabilized to offer a very low migration and corrosion of metallic contacts. It is particularly suitable for molding insulating parts for electrical devices: connectors, contactors, bobbins coil formers and thin parts under stress. This product is available in natural and black. 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-21T2-V25-PA66-25-glass-fiber-DRY.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ISO 1183/A
Water Absorption	0.90 %	0.90 %	ISO 62
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Linear Mold Shrinkage	0.0055 cm/cm	0.0055 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	135 MPa	19600 psi	ISO 527 Type 1A
Elongation at Break	2.7 %	2.7 %	ISO 527 Type 1A
Tensile Modulus	8.70 GPa	1260 ksi	ISO 527 Type 1A
Flexural Strength	200 MPa	29000 psi	ISO 178
Flexural Modulus	7.90 GPa	1150 ksi	ISO 178
Charpy Impact Unnotched	6.10 J/cm ²	29.0 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	263 °C	505 °F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	245 °C	473 °F	ISO 75/Af

Thermal Properties	V-2 Metric	V-2 English	Comments
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	V-0	V-0	1210
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-0	V-0	1210
	@Thickness 3.20 mm	@Thickness 0.126 in	
Oxygen Index	28 %	28 %	ISO 4589
Glow Wire Test	960 Å°C	1760 Å°F	ISO 60695-2-12
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	960 Å°C	1760 Å°F	ISO 60695-2-12
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	960 Å°C	1760 Å°F	ISO 60695-2-12
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	500 V	500 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 Å°C	500 - 518 Å°F	
Front Barrel Temperature	280 - 290 Å°C	536 - 554 Å°F	
Mold Temperature	60.0 - 80.0 Å°C	140 - 176 Å°F	
Drying Temperature	80.0 Å°C	176 Å°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	270-280Å°C	

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