

Solvay TECHNYL[®] A 32G1 PA66, DRY

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 flame retardant grade, UL 94 V-2 (0.8 mm), GWIT 900[°]C (0,8 mm) offers best in class flammability performance combined with excellent impact and strain properties. It is particularly suitable for molding electrical components such as connections, junction blocks, terminal blocks and connectors. This product is also suitable for use in electrical appliances needing to comply with the IEC 60335-1 regulation. 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-32G1-PA66-DRY.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 MPa	7250 psi	ISO 527 Type 1A
Elongation at Yield	15 %	15 %	ISO 527 type 1 A
Tensile Modulus	2.95 GPa	428 ksi	ISO 527 Type 1A
Charpy Impact Unnotched	13.2 J/cm ²	62.8 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	260 [°] C	500 [°] F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	85.0 [°] C	185 [°] F	ISO 75/Af
Flammability, UL94	V-2	V-2	1210
	@Thickness 0.380 mm	@Thickness 0.0150 in	
	V-2	V-2	
	@Thickness 0.800 mm	@Thickness 0.0315 in	1210
	V-2	V-2	1210
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Glow Wire Test	850 [°] C	1560 [°] F	ISO 60695-2-12
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	850 [°] C	1560 [°] F	

Thermal Properties	Metric	English	ISO 60695-2-12 Comments
	850 Â°C @Thickness 1.60 mm	1560 Â°F @Thickness 0.0630 in	ISO 60695-2-12
	875 Â°C @Thickness 0.800 mm	1610 Â°F @Thickness 0.0315 in	ignition temperature; ISO 60695-2-13
	900 Â°C @Thickness 1.60 mm	1650 Â°F @Thickness 0.0630 in	ignition temperature; ISO 60695-2-13

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	400 V	400 V	Solution A; IEC 60112

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

Descriptive Properties	Value	Comments
Compression Zone	260-280Â°C	

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