

Solvay TECHNYLÂ® A 60 G2 V30 PA66, 30% glass fiber, DRY

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

Material Notes:

Description: High flow Polyamide PA66 Flame retarded grade reinforced with 30% glass fiber, for injection molding. Available in: Asia Pacific, Europe, Latin America and North America Product Applications: This Red Phosphorous and Halogen free flame retardant grade, combines excellent all-round mechanical properties with outstanding flame retardancy. This product is ideally suited for large and small appliances and connectic applications requiring glow wire no flame performance. This product is registered at the VDE institute for the IEC 60335 normative in all color references down to 0.8mm thickness. It has a robust GWIT/GWT pass with excellent CTI (>550V) and ball pressure test performance (>150Â°C). This product is available in Natural, Grey and Black. Specific colors and Laser Marking grades optimized for YAG and UV laser types are also available 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-60-G2-V30-PA66-30-glass-fiber-DRY.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/inÂ³	ISO 1183/A
Linear Mold Shrinkage, Flow	0.0123 cm/cm	0.0123 in/in	
Linear Mold Shrinkage, Transverse	0.0056 cm/cm	0.0056 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	150 MPa	21800 psi	ISO 527 Type 1A
Elongation at Break	2.5 %	2.5 %	ISO 527 Type 1A
Tensile Modulus	11.5 GPa	1670 ksi	ISO 527 Type 1A
Charpy Impact Unnotched	5.50 J/cmÂ²	26.2 ft-lb/inÂ²	ISO 179/1eU

Thermal Properties	Metric	English	Comments
Melting Point	262 Â°C	504 Â°F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	256 Â°C	493 Â°F	ISO 75/Bf
Deflection Temperature at 1.8 MPa (264 psi)	247 Â°C	477 Â°F	ISO 75/ Af
Flammability, UL94	V-0	V-0	1210
	@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	

Thermal Properties	Metric @ Thickness 3.20 mm	English @ Thickness 0.126 in	1210 Comments
Glow Wire Test	800 Â°C	1470 Â°F	ignition temperature; ISO 60695-2-13
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	850 Â°C	1560 Â°F	ignition temperature; ISO 60695-2-13
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	960 Â°C	1760 Â°F	ISO 60695-2-12
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	960 Â°C	1760 Â°F	ISO 60695-2-12
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	960 Â°C	1760 Â°F	ISO 60695-2-12
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	550 V	550 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 Â°C	500 - 518 Â°F	
Front Barrel Temperature	260 - 270 Â°C	500 - 518 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	260-270Â°C	

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