

Solvay TECHNYL® C 52G1 V25 Grey R7035 (XC 1329/A) PA6, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass Fiber Filled, Flame Retardant

Material Notes:

Description: Polyamide 6, Glass-filled, glow-wire modified, color stabilized, lubricated for injection molding. Available in: Asia Pacific, Europe, Latin America and North America Product Applications: TECHNYL C 52G1 V25 GREY R7035 CF is used in all sectors of industry, offering good glow wire performance and heat resistance, color stability and productivity. This grade is specifically suited for MCB's and low voltage switches. This product is available in Electrical Grey color as standard. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-C-52G1-V25-Grey-R7035-XC-1329A-PA6-DRY.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ISO 1183/A
Water Absorption	1.1 % @Temperature 23.0 °C, Time 86400 sec	1.1 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62
Linear Mold Shrinkage, Flow	0.0065 cm/cm	0.0065 in/in	
Linear Mold Shrinkage, Transverse	0.0085 cm/cm	0.0085 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	ISO 527 Type 1A
Elongation at Break	2.7 %	2.7 %	ISO 527 Type 1A
Tensile Modulus	6.85 GPa	994 ksi	ISO 527 Type 1A
Izod Impact, Notched (ISO)	4.70 kJ/m ²	2.24 ft-lb/in ²	ISO 180/1eA
Charpy Impact Unnotched	4.10 J/cm ²	19.5 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	0.350 J/cm ²	1.67 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	170 °C	338 °F	ISO 75/Af
Flammability, UL94	V-2 @Thickness 0.800 mm	V-2 @Thickness 0.0315 in	1210

Thermal Properties	V-2 Metric	V-2 English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Glow Wire Test	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	

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

Processing Properties	Metric	English	Comments
Feed Temperature	230 - 240 Â°C	446 - 464 Â°F	
Front Barrel Temperature	240 - 250 Â°C	464 - 482 Â°F	
Mold Temperature	60.0 - 90.0 Â°C	140 - 194 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	235-245Â°C	

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