

Solvay TECHNYL® C 52G1 V20 PA6, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Unreinforced, Flame Retardant

Material Notes:

Description: Halogen and Red Phosphorous free fire resistant polyamide PA6 Glass reinforced for injection molding of thin walled parts Available in: Asia Pacific, Europe, Latin America and North America Product Applications: This grade is Halogen and Red Phosphorous free fire resistant flame retardant grade is particularly suitable for equipment requiring robust glow-wire resistance with excellent molding and electrical performance, such as for MCB housings, contactors and switches and sockets. This grade is available in Grey, White, Natural and Black colors. Laser marking grades and other colors are 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-C-52G1-V20-PA6-DRY.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 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	0.0090 cm/cm	0.0090 in/in	
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	92.0 MPa	13300 psi	ISO 527 Type 1A
Elongation at Break	2.9 %	2.9 %	ISO 527 Type 1A
Tensile Modulus	6.70 GPa	972 ksi	ISO 527 Type 1A
Charpy Impact Unnotched	3.90 J/cm ²	18.6 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	0.310 J/cm ² @Temperature -30.0 °C	1.48 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA
	0.320 J/cm ² @Temperature 23.0 °C	1.52 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	222 °C	432 °F	ISO 11357

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (264 psi)	170 °C	338 °F	ISO 75/Af
Flammability, UL94	V-2	V-2	1210
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	V-2	V-2	1210
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-2	V-2	1210
	@Thickness 3.20 mm	@Thickness 0.126 in	
Oxygen Index	29 %	29 %	ISO 4589
Glow Wire Test	700 °C	1290 °F	ignition temperature; ISO 60695-2-13
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	725 °C	1340 °F	ignition temperature; ISO 60695-2-13
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	960 °C	1760 °F	ISO 60695-2-12
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	960 °C	1760 °F	ISO 60695-2-12
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	960 °C	1760 °F	ISO 60695-2-12
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	31.0 kV/mm	787 kV/in	IEC 60243
Comparative Tracking Index	450 V	450 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Feed Temperature	220 - 230 °C	428 - 446 °F	
Front Barrel Temperature	245 - 255 °C	473 - 491 °F	
Mold Temperature	80.0 °C	176 °F	
Drying Temperature	80.0 °C	176 °F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	230-240Â°C	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China