

Solvay TECHNYL® C 52G1 V20 PA6, Conditioned

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-Conditioned.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	65.0 MPa	9430 psi	ISO 527 Type 1A
Elongation at Break	4.8 %	4.8 %	ISO 527 Type 1A
Tensile Modulus	4.55 GPa	660 ksi	ISO 527 Type 1A
Charpy Impact Unnotched	7.90 J/cm ²	37.6 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	0.340 J/cm ²	1.62 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	0.860 J/cm ²	4.09 ft-lb/in ²	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	27.0 kV/mm	686 kV/in	IEC 60243

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.20 %	<= 0.20 %	

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