

Solvay TECHNYLÂ® A 52 G1 MX 20 PA66, Eh 0

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Description: TECHNYL A 52 G1 MX20 is a Polyamide 6.6 glow wire resistant, reinforced with mineral fillerColors: it is marketed in black color.Available in: Latin AmericaMain Properties: ?Glow wire resistant, ?Good finishing, and Good dimensional stabilityApplications: TECHNYL A 52 G1 MX20 is indicated for pieces with low warping and good behavior at fire, as for example, circuit breakers (IEC NBR 60898) and boxes of fusersInformation provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-52-G1-MX-20-PA66-Eh-0.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/inÂ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	ISO 527
Elongation at Break	1.3 %	1.3 %	ISO 527
	3.0 %	3.0 %	Flexural; ISO 178
Tensile Modulus	6.80 GPa	986 ksi	ISO 527
Flexural Strength	115 MPa	16700 psi	ISO 178
Flexural Modulus	6.00 GPa	870 ksi	ISO 178
Charpy Impact Unnotched	2.50 J/cmÂ²	11.9 ft-lb/inÂ²	ISO 179/1eU

Thermal Properties	Metric	English	Comments
Melting Point	>= 260 Â°C	>= 500 Â°F	ISO 3146-A
Deflection Temperature at 0.46 MPa (66 psi)	230 Â°C	446 Â°F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	165 Â°C	329 Â°F	ISO 75
Flammability, UL94	V-2	V-2	1210
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Glow Wire Test	960 Â°C	1760 Â°F	CEI 695
	@Thickness 3.00 mm	@Thickness 0.118 in	

Processing Properties	Metric	English	Comments
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Feed Temperature Processing Properties	235 - 240 Å°C Metric	455 - 464 Å°F English	Comments
Nozzle Temperature	260 - 275 Å°C	500 - 527 Å°F	
Mold Temperature	60.0 - 80.0 Å°C	140 - 176 Å°F	

Descriptive Properties	Value	Comments
Compression Zone	240-245Å°C	
Mixing Zone	245-250Å°C	

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