

Solvay TECHNYLÂ® C 218 V 50 PA6, 50% glass fiber, Eh 0

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 50% Glass Fiber Filled

Material Notes:

Description: TECHNYL C 218 V50 is a polyamide 6 reinforced with 50% of glass fiber with excellent thermal stabilityColors: it is supplied in natural color and black color.Available in: Latin America and North AmericaMain Properties: ? Dimensional stability, Impact Resistance, Stiffness, and Excellent thermal resistance Applications: TECHNYL C 218 V50 is indicated for pieces that require dimensional stability and good mechanical proprieties like impact at higher temperatures.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-218-V-50-PA6-50-glass-fiber-Eh-0.php

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/inÂ³	ISO 1183/A
Water Absorption	0.75 %	0.75 %	ISO 62
	@Temperature 23.0 Â°C, Time 86400 sec	@Temperature 73.4 Â°F, Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	225 MPa	32600 psi	ISO R 527
Elongation at Break	2.0 %	2.0 %	ISO R 527
Tensile Modulus	14.6 GPa	2120 ksi	ISO R 527
Izod Impact, Notched (ISO)	17.0 kJ/mÂ²	8.09 ft-lb/inÂ²	ISO 180
Charpy Impact Unnotched	10.7 J/cmÂ²	50.9 ft-lb/inÂ²	ISO 179
Charpy Impact, Notched	1.90 J/cmÂ²	9.04 ft-lb/inÂ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	222 Â°C	432 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	215 Â°C	419 Â°F	ISO 75/Af
Flammability, UL94	HB	HB	
	@Thickness 0.400 mm	@Thickness 0.0157 in	
Oxygen Index	23 %	23 %	ISO 4589
Glow Wire Test	650 Â°C	1200 Â°F	CEI 695
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	CEI 93
Dielectric Constant	3.8	3.8	CEI 250
Dissipation Factor	0.020	0.020	CEI 250
Comparative Tracking Index	550 V	550 V	CEI 112

Processing Properties	Metric	English	Comments
Feed Temperature	225 - 230 Â°C	437 - 446 Â°F	
Nozzle Temperature	230 - 240 Â°C	446 - 464 Â°F	
Mold Temperature	80.0 - 100 Â°C	176 - 212 Â°F	

Descriptive Properties	Value	Comments
Compression Zone	230-240Â°C	
Mixing Zone	240-250Â°C	

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