

Solvay TECHNYL® C 218 V40 PA6, 40% glass fiber, Eh 0

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Glass Fiber Filled

Material Notes:

Description: TECHNYL C 218 V40 is a polyamide 6 with 40% of glass fiber and with thermal stability. Colors: it is marketed in the black color and natural. Available in: Latin America Main Properties: ? Good thermal resistance, ?Excellent dimensional stability, Good impact resistance. Applications: TECHNYL C 218 V40 was developed for applications on parts where good mechanical properties as impact resistance, superficial aspect and dimensional stability are required. 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-V40-PA6-40-glass-fiber-Eh-0.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ISO 1183/A
Water Absorption	0.90 % @Temperature 23.0 °C, Time 86400 sec	0.90 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	210 MPa	30500 psi	ISO R 527
Elongation at Break	2.3 %	2.3 %	ISO R 527
Tensile Modulus	13.1 GPa	1900 ksi	ISO R 527
Izod Impact, Notched (ISO)	16.0 kJ/m ²	7.61 ft-lb/in ²	ISO 180
Charpy Impact Unnotched	10.7 J/cm ²	50.9 ft-lb/in ²	ISO 179
Charpy Impact, Notched	1.80 J/cm ²	8.57 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	222 °C	432 °F	
Deflection Temperature at 1.8 MPa (264 psi)	214 °C	417 °F	ISO 75/Af
Flammability, UL94	HB	HB	
Oxygen Index	23 %	23 %	ISO 4589
Glow Wire Test	650 °C @Thickness 1.60 mm	1200 °F @Thickness 0.0630 in	CEI 695

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	240 - 260 Â°C	464 - 500 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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