

Solvay TECHNYLÂ® C 216 V35 Black Z PA6, 35% glass fiber, DRY

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

Material Notes:

Description: Polyamide PA6 , reinforced with 35 % of glass fiber, for injection molding. Available in: North America
 Product Applications: It has good mechanical properties, it is used in all sectors of industry, offering an excellent combination between thermal and mechanical properties. It is used in the automotive industry and electrical sectors.
 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-216-V35-Black-Z-PA6-35-glass-fiber-DRY.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	ISO 1183/A
Water Absorption	0.90 %	0.90 %	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	195 MPa	28300 psi	ISO 527 Type 1A
Elongation at Break	2.6 %	2.6 %	ISO 527 Type 1A
Tensile Modulus	10.6 GPa	1540 ksi	ISO 527 Type 1A
Flexural Modulus	10.5 GPa	1520 ksi	ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	ISO 180/1eA
Charpy Impact Unnotched	10.2 J/cm ²	48.5 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	11.65 J/cm ²	55.44 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	28.0 Âµm/m-Â°C	15.6 Âµin/in-Â°F	ISO 11359
	@Temperature 23.0 - 85.0 Â°C	@Temperature 73.4 - 185 Â°F	
Melting Point	222 Â°C	432 Â°F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	210 Â°C	410 Â°F	ISO 75/Af
Flammability, UL94	HB	HB	1210
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	650 Â°C	1200 Â°F	

Thermal Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093
Dielectric Constant	3.8	3.8	IEC 60250
Dissipation Factor	0.020	0.020	IEC 60250
Comparative Tracking Index	550 V	550 V	Solution A; IEC 60112

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