

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

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-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	ISO 527 Type 1A
Elongation at Break	4.0 %	4.0 %	ISO 527 Type 1A
Tensile Modulus	6.90 GPa	1000 ksi	ISO 527 Type 1A
Flexural Modulus	6.80 GPa	986 ksi	ISO 178
Izod Impact, Notched (ISO)	28.0 kJ/m ²	13.3 ft-lb/in ²	ISO 180/1eA
Charpy Impact Unnotched	11.0 J/cm ²	52.3 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	3.30 J/cm ²	15.7 ft-lb/in ²	ISO 179/1eA

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+10 ohm-cm	1.00e+10 ohm-cm	IEC 60093
Surface Resistance	1.00e+10 ohm	1.00e+10 ohm	IEC 60093
Dielectric Constant	4.5	4.5	IEC 60250
Dielectric Strength	22.0 kV/mm	559 kV/in	IEC 60243
Dissipation Factor	0.090	0.090	IEC 60250
Comparative Tracking Index	475 V	475 V	Solution A; IEC 60112

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