

Solvay TECHNYLSTAR™,ç S 216 V30 PA6, 30% glass filled, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

Material Notes:

Description: TECHNYL STAR™ Polyamide, reinforced with 30% of glass fiber, for injection molding. Characterized by a high fluidity of the melt. Available in: Asia Pacific, Europe and North America
 Product Applications: Due to its outstanding flow characteristics, TECHNYLSTAR™ S 216 V30 provides a significant productivity improvement and allows more freedom in mould design and part design versus standard polyamide solutions. This product is available in natural. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYLSTAR-S-216-V30-PA6-30-glass-filled-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	ISO 527 Type 1A
Elongation at Break	5.5 %	5.5 %	ISO 527 Type 1A
Tensile Modulus	6.20 GPa	899 ksi	ISO 527 Type 1A
Flexural Modulus	5.20 GPa	754 ksi	ISO 178
Izod Impact, Notched (ISO)	19.0 kJ/m ²	9.04 ft-lb/in ²	ISO 180/1eA
Izod Impact, Unnotched (ISO)	65.0 kJ/m ²	30.9 ft-lb/in ²	ISO 180/1eU
Charpy Impact Unnotched	9.00 J/cm ²	42.8 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	1.41 J/cm ²	6.71 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

Processing Properties	Metric	English	Comments
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Moisture Content Processing Properties	$\leq 0.20\%$ Metric	$\leq 0.20\%$ English	Comments
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