

Solvay TECHNYLSTAR[®],ç S 216 V35 PA6, 35% glass filled, DRY

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

Material Notes:

Description: TECHNYLSTAR polyamide, reinforced with 35% of glass fiber, for injection molding. Characterized by a high fluidity of the melt. Available in: Europe and North America
 Product Applications: Due to its outstanding flow characteristics, TECHNYLSTAR TM S 216 V35 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-V35-PA6-35-glass-filled-DRY.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 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	195 MPa	28300 psi	ISO 527 Type 1A
Elongation at Break	3.0 %	3.0 %	ISO 527 Type 1A
Tensile Modulus	10.7 GPa	1550 ksi	ISO 527 Type 1A
Flexural Strength	295 MPa	42800 psi	ISO 178
Flexural Modulus	10.0 GPa	1450 ksi	ISO 178
Izod Impact, Notched (ISO)	13.0 kJ/m ²	6.19 ft-lb/in ²	ISO 180/1eA
Izod Impact, Unnotched (ISO)	75.0 kJ/m ²	35.7 ft-lb/in ²	ISO 180/1eU
Charpy Impact Unnotched	7.50 J/cm ²	35.7 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	1.30 J/cm ²	6.19 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	222 °C	432 °F	ISO 11357
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	1210
Glow Wire Test	650 °C	1200 °F	ISO 60695-2-12

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
Feed Temperature	220 - 225 Å°C	428 - 437 Å°F	
Front Barrel Temperature	235 - 245 Å°C	455 - 473 Å°F	
Mold Temperature	80.0 Å°C	176 Å°F	
Drying Temperature	80.0 Å°C	176 Å°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	225-235Å°C	

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