

Solvay TECHNYLSTAR™,ç SX 216 V60 PA6, 60% glass filled, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 60% Glass Fiber Filled

Material Notes:

Description: TECHNYL STAR™ Polyamide reinforced with 60% of glass fiber, for injection molding. Characterized by a high fluidity of the melt. Available in: Europe and North America Product Applications: TECHNYLSTAR™ SX 216 V60 is suitable for all applications where a high rigidity is required. Due to its outstanding flow properties, the material easily fills the mould and the surface aspect of the finished part is excellent. 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-SX-216-V60-PA6-60-glass-filled-DRY.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	ISO 1183/A
Water Absorption	0.55 % @Temperature 23.0 °C, Time 86400 sec	0.55 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	240 MPa	34800 psi	ISO 527 Type 1A
Elongation at Break	2.5 %	2.5 %	ISO 527 Type 1A
Tensile Modulus	21.0 GPa	3050 ksi	ISO 527 Type 1A
Flexural Modulus	19.0 GPa	2760 ksi	ISO 178
Izod Impact, Notched (ISO)	15.2 kJ/m ²	7.23 ft-lb/in ²	ISO 180/1eA
Izod Impact, Unnotched (ISO)	90.0 kJ/m ²	42.8 ft-lb/in ²	ISO 180/1eU
Charpy Impact Unnotched	8.50 J/cm ²	40.4 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	1.50 J/cm ²	7.14 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	222 °C	432 °F	ISO 11357

Processing Properties	Metric	English	Comments
Feed Temperature	220 - 225 °C	428 - 437 °F	
Front Barrel Temperature	240 - 245 °C	464 - 473 °F	
Mold Temperature	80.0 °C	176 °F	

Processing Properties	Metric 	English	Comments
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	235-240Â°C	

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