

Solvay TECHNYLSTAR[®],ç SX 216 V50 PA6, 50% glass filled, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 50% Glass Fiber Filled

Material Notes:

Description: TECHNYLSTAR Polyamide, reinforced with 50% of glass fiber, characterized by a high fluidity of the melt, for injection molding. Available in: Asia Pacific, Europe and North America Product Applications: TECHNYLSTAR TM SX 216 V50 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-V50-PA6-50-glass-filled-DRY.php

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in ³	ISO 1183/A
Water Absorption	0.72 %	0.72 %	ISO 62
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Linear Mold Shrinkage	0.0072 cm/cm	0.0072 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.0023 cm/cm	0.0023 in/in	
Linear Mold Shrinkage, Transverse	0.0032 cm/cm	0.0032 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	230 MPa	33400 psi	ISO 527 Type 1A
Elongation at Break	2.6 %	2.6 %	ISO 527 Type 1A
Tensile Modulus	17.0 GPa	2470 ksi	ISO 527 Type 1A
Flexural Modulus	15.5 GPa	2250 ksi	ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/m ²	7.14 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

Thermal Properties <small>Deflection Temperature at 1.8 MPa (1.8 MPa)</small>	210 Â°C Metric	410 Â°F English	ISO 75/AF Comments
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	1210

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	500 V	500 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Feed Temperature	220 - 225 Â°C	428 - 437 Â°F	
Front Barrel Temperature	240 - 245 Â°C	464 - 473 Â°F	
Mold Temperature	80.0 Â°C	176 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	
Moisture Content	<= 0.15 %	<= 0.15 %	

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China