

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

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-DRY.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	ISO 1183/A
Water Absorption	0.95 % @Temperature 23.0 °C, Time 86400 sec	0.95 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	180 MPa	26100 psi	ISO 527 Type 1A
Elongation at Break	3.3 %	3.3 %	ISO 527 Type 1A
Tensile Modulus	9.60 GPa	1390 ksi	ISO 527 Type 1A
Flexural Strength	255 MPa	37000 psi	ISO 178
Flexural Modulus	9.30 GPa	1350 ksi	ISO 178
Izod Impact, Notched (ISO)	12.0 kJ/m ²	5.71 ft-lb/in ²	ISO 180/1eA
Izod Impact, Unnotched (ISO)	82.0 kJ/m ²	39.0 ft-lb/in ²	ISO 180/1eU
Charpy Impact Unnotched	8.10 J/cm ²	38.5 ft-lb/in ²	23; ISO 179/1eU
Charpy Impact, Notched	55.0 J/cm ²	262 ft-lb/in ²	-30; ISO 179/1eU
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	32.0 Åµm/m-Å°C @Temperature 23.0 - 85.0 Å°C	17.8 Åµin/in-Å°F @Temperature 73.4 - 185 Å°F	ISO 11359
Melting Point	222 Å°C	432 Å°F	ISO 11357

Thermal Properties <small>Deflection Temperature at 1.8 MPa (264 psi)</small>	Metric	English	Comments
Flammability, UL94	HB	HB	1210
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	1210
	@Thickness 3.20 mm	@Thickness 0.126 in	
Oxygen Index	22 %	22 %	ISO 4589
Glow Wire Test	650 Â°C	1200 Â°F	ISO 60695-2-12
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093
Dielectric Constant	3.8	3.8	IEC 60250
Dissipation Factor	0.020	0.020	IEC 60250
Comparative Tracking Index	550 V	550 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Feed Temperature	220 - 225 Â°C	428 - 437 Â°F	
Front Barrel Temperature	235 - 245 Â°C	455 - 473 Â°F	
Mold Temperature	80.0 Â°C	176 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	225-235Â°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