

Solvay TECHNYLSTAR[®],ç S 218 V30 PA6, 30% glass filled, Conditioned

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

Material Notes:

Description: TECHNYLSTAR[®],ç S 218 V30 is based on a patented high flow polyamide 6 resin (TechnylStar), heat stabilized, reinforced with 30% of glass fiber, for injection molding. This product is available in black color. Benefits: Due to its outstanding flow characteristics, the product provides a significant productivity improvement and allows more freedom in mould and part design versus a standard polyamide solutions. Available in: Asia Pacific, Europe and North America Regulations compliance: Grades produced or imported in Europe comply with directive 453/2010/EC, which amends REACH directive 1907/2006/EC. This grade complies with RoHS directive 2002/95/EC. Unless specified, this grade is not suitable for food contact, medical devices or toy applications. Applications: It is used in a wide variety of industries. 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-218-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	4.5 %	4.5 %	ISO 527 Type 1A
Tensile Modulus	6.20 GPa	899 ksi	ISO 527 Type 1A
Flexural Strength	140 MPa	20300 psi	ASTM D790
Flexural Modulus	4.75 GPa	689 ksi	ASTM D790
	4.90 GPa	711 ksi	ISO 178
Izod Impact, Notched	1.17 J/cm	2.19 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	21.0 kJ/m ²	9.99 ft-lb/in ²	ISO 180/1eA
Izod Impact, Unnotched (ISO)	14.0 kJ/m ²	6.66 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	3.15 J/cm ²	15.0 ft-lb/in ²	ISO 179/1eA

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 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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