

Solvay TECHNYLSTAR®, S 60G1 V30 PA6, 30% glass filled, Conditioned

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

Material Notes:

Description: TECHNYLSTAR®, S 60G1 V30 is a reinforced 30% GF organophosphorous flame retarded grade based on a patented high flow polyamide 6 resin (TechnylStar). This product is heat stabilized and provides optimized injection moulding performance. This product is available in natural, grey & black colors as standard and can be made in other specific colors upon request. **Benefits:** This product offers excellent flame retardancy properties (UL 94, 5VA, GWIT) combined with best in class processing, mechanical and electrical performance. **Available in:** Asia Pacific, Europe, Latin America 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:** This product is ideally suited for power distribution, industrial control and appliance applications such as MCBs and contactors, as well as being able to be used in many varied thin wall applications where its high flow polymer base enables it to achieve a UL94 V-0 rating down to a 0.4mm wall thickness. **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-60G1-V30-PA6-30-glass-filled-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	97.0 MPa	14100 psi	ISO 527 Type 1A
Elongation at Break	5.1 %	5.1 %	ISO 527 Type 1A
Tensile Modulus	8.50 GPa	1230 ksi	ISO 527 Type 1A
Flexural Strength	175 MPa	25400 psi	ISO 178
Flexural Modulus	7.10 GPa	1030 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)	63.0 kJ/m ²	30.0 ft-lb/in ²	ISO 180/1eU
Charpy Impact Unnotched	7.00 J/cm ²	33.3 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	1.25 J/cm ²	5.95 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	222 Â°C	432 Â°F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	220 Â°C	428 Â°F	ISO 75/Bf

Deflection Temperature at 1.8 MPa (100 psi) Thermal Properties	212 Â°C Metric	414 Â°F English	ISO 75/AF Comments
--	-------------------	--------------------	-----------------------

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.35	4.35	IEC 60250
Dielectric Strength	23.0 kV/mm	584 kV/in	IEC 60243
Dissipation Factor	0.080	0.080	IEC 60250
Comparative Tracking Index	600 V	600 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	
Moisture Content	<= 0.20 %	<= 0.20 %	

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