

Solvay TECHNYLÂ® A 218G V33 Black 34N PA66, 25% glass fiber, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Description: Polyamide 66, reinforced with 25% of glass fiber, for injection molding. This grade shows an improved retention of properties after long term ageing in automotive cooling liquids. Available in: Europe and North AmericaProduct Applications: TECHNYLÂ® A 218G1 V25 BLACK 34N is particularly recommended for the injection molding of parts in permanent contact with cooling liquids in cars, such as: - cooling and heating radiator systems, header tanks, thermostat components, inlet / outlet pipes. This product is available in black.Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-218G-V33-Black-34N-PA66-25-glass-fiber-DRY.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/inÂ³	ISO 1183/A
Water Absorption	0.75 % @Temperature 23.0 Â°C, Time 86400 sec	0.75 % @Temperature 73.4 Â°F, Time 24.0 hour	ISO 62
Linear Mold Shrinkage, Flow	0.0108 cm/cm	0.0108 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.0036 cm/cm	0.0036 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	200 MPa	29000 psi	ISO 527 Type 1A
Elongation at Break	3.4 %	3.4 %	ISO 527 Type 1A
Tensile Modulus	10.2 GPa	1480 ksi	ISO 527 Type 1A
Flexural Modulus	9.50 GPa	1380 ksi	ISO 178
Izod Impact, Notched (ISO)	13.0 kJ/mÂ²	6.19 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact Unnotched	9.20 J/cmÂ²	43.8 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	1.20 J/cmÂ²	5.71 ft-lb/inÂ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	263 Â°C	505 Â°F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	250 Â°C	482 Â°F	ISO 75/Af
Flammability, UL94	HB	HB	1210

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
--------------------	------------------------------	---------------------------------	----------

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Dielectric Strength	34.0 kV/mm	864 kV/in	IEC 60243
Dissipation Factor	0.010	0.010	IEC 60250

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 Â°C	500 - 518 Â°F	
Front Barrel Temperature	280 - 290 Â°C	536 - 554 Â°F	
Mold Temperature	80.0 - 100 Â°C	176 - 212 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	270-280Â°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