

Solvay Technyl® A 218 V35 Nylon 66, 35% Glass Fiber, EH50

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled

Material Notes:

Polyamides PA66, reinforced with 35% of glass fiber, heat stabilized, for injection molding. Technyl A 218 V35 is used in all sectors of industry, offering an excellent combination between thermal and mechanical properties. This grade is commonly used in the automotive industry of engine components, such as inlet manifolds, air ducts, engine cover, and various housing and liquid containers. This product is available in natural, black and grey. 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-218-V35-Nylon-66-35-Glass-Fiber-EH50.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ISO 1183-A
Water Absorption	0.75 %	0.75 %	(Beginning Dry) 24 hours in water 23°C. ISO 62
Linear Mold Shrinkage	0.0045 cm/cm	0.0045 in/in	RHODIA-EP
Linear Mold Shrinkage, Transverse	0.0075 cm/cm	0.0075 in/in	RHODIA-EP

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	150 MPa	21800 psi	ISO 527
Tensile Strength, Yield	150 MPa	21800 psi	ISO 527
Elongation at Break	4.0 %	4.0 %	ISO 527
Tensile Modulus	8.70 GPa	1260 ksi	ISO 527
Flexural Yield Strength	195 MPa	28300 psi	ISO 178
Flexural Modulus	6.80 GPa	986 ksi	ISO 178
Izod Impact Resistance	1.80 J/cm ²	8.57 ft-lb/in ²	ISO 180
Charpy Impact Unnotched	10.0 J/cm ²	47.6 ft-lb/in ²	ISO 179/1EA-1993
Charpy Impact, Notched	1.85 J/cm ²	8.80 ft-lb/in ²	ISO 179/1EA-1993

Thermal Properties	Metric	English	Comments
Melting Point	263 °C	505 °F	ISO 3146-C

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	IEC 93

Surface Resistance Electrical Properties	1.00e+12 ohm Metric	1.00e+12 ohm English	IEC 93 Comments
Dielectric Constant	4.0	4.0	IEC 250
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	29.0 kV/mm	737 kV/in	IEC 243-1
Dissipation Factor	0.11	0.11	IEC 250
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	450 V	450 V	IEC 112

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	260 - 270 Â°C	500 - 518 Â°F	
Middle Barrel Temperature	270 - 280 Â°C	518 - 536 Â°F	
Front Barrel Temperature	280 - 290 Â°C	536 - 554 Â°F	

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