

Solvay TECHNYL® A 118L V50 PA66, 50% glass fiber, Eh 0

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 50% Glass Fiber Filled

Material Notes:

Description: TECHNYL A 118L V50 is a polyamide 6.6 reinforced with 50% of glass fiber, with thermal stability, UV protection and modified viscosity that provides better superficial appearance. Colors: it is marketed in the natural color. Special color can be produced on request. Main Properties: Excellent combination of thermal and mechanical properties under external environment (UV radiation); High fluency, that permits the injection mould of big dimension or complex geometric structures; Excellent dimensional stability; and Chemical stability Applications: TECHNYL A 118L V50 is a high performance product and is indicated for applications where the high mechanical and thermal resistance properties are request. Due these properties the TECHNYL A 118L V50 is very much request by automotive industries. 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-118L-V50-PA66-50-glass-fiber-Eh-0.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	ASTM D792
Water Absorption	0.60 % @Temperature 23.0 °C, Time 86400 sec	0.60 % @Temperature 73.4 °F, Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	100x100x3mm
Linear Mold Shrinkage, Transverse	0.0040 cm/cm	0.0040 in/in	100x100x3mm; 100x100x3mm

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785A
Tensile Strength at Break	220 MPa	31900 psi	ISO R 527
Elongation at Break	1.8 %	1.8 %	ISO R 527
Tensile Modulus	13.0 GPa	1890 ksi	ISO R 527
Flexural Strength	355 MPa	51500 psi	ISO 178
Flexural Modulus	16.78 GPa	2434 ksi	ISO 178
Izod Impact, Notched (ISO)	14.0 kJ/m ²	6.66 ft-lb/in ²	ISO 180/3A
Charpy Impact Unnotched	6.00 J/cm ²	28.6 ft-lb/in ²	ISO 179/1D

Thermal Properties	Metric	English	Comments
CTE, linear	2.70 Åµm/m-Å°C	1.50 Åµin/in-Å°F	ASTM D696

Melting Point Thermal Properties	260 Â°C Metric	500 Â°F English	ASTM D2417 Comments
Deflection Temperature at 0.46 MPa (66 psi)	>= 240 Â°C	>= 464 Â°F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	>= 240 Â°C	>= 464 Â°F	ISO 75
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 Â°C	500 - 518 Â°F	
Mold Temperature	80.0 - 100 Â°C	176 - 212 Â°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	270-280Â°C	
Mixing Zone	280-290Â°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