

Solvay TECHNYL® 2411GF6 PA66, 30% glass fiber, DRY

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

Material Notes:

Description: Polyamid 66, 30% glass fiber reinforce, for injection molding Available in: Asia Pacific Product Applications: TECHNYL® 2411GF6 used in all sectors of industry, offering an excellent combination between thermal stability and mechanical properties. This grade is widely used for: Automotive parts-Cooling fan, Shaft gear; Electrical & electronic parts-Plug, housing; and Sport, industrial, construction parts-Joint bushing, Disc. This product is available in natural & black color and in colors on request. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-2411GF6-PA66-30-glass-fiber-DRY.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in³	ISO 1183
Water Absorption	0.80 % @Temperature 23.0 °C, Time 86400 sec	0.80 % @Temperature 73.4 °F, Time 24.0 hour	ISO 62
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D786
Tensile Strength, Yield	195 MPa	28300 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	270 MPa	39200 psi	ASTM D790
Flexural Modulus	9.10 GPa	1320 ksi	ASTM D790
Izod Impact, Notched	1.20 J/cm	2.25 ft-lb/in	ASTM D265

Thermal Properties	Metric	English	Comments
CTE, linear	4.50 µm/m-°C @Temperature 23.0 - 85.0 °C	2.50 µin/in-°F @Temperature 73.4 - 185 °F	ASTM D696
Melting Point	262 °C	504 °F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	255 °C	491 °F	ASTM D648

Thermal Properties Flammability, UL 94	HB Metric	HB English	Comments ISO 1210
	@Thickness 1.60 - 3.20 mm	@Thickness 0.0630 - 0.126 in	
Oxygen Index	23 %	23 %	ISO 4589
Glow Wire Test	650 °C @Thickness 0.800 mm	1200 °F @Thickness 0.0315 in	flammability index; IEC-60695-2-12
	650 °C @Thickness 1.60 mm	1200 °F @Thickness 0.0630 in	ignition temperature; IEC-60695-2-13

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Surface Resistance	6.00e+13 ohm	6.00e+13 ohm	IEC 60093
Dielectric Constant	3.75	3.75	IEC60250
Dielectric Strength	40.0 kV/mm	1020 kV/in	IEC 60243
Dissipation Factor	0.010	0.010	IEC 60250
Comparative Tracking Index	500 V	500 V	Solution B; IEC 60112
	600 V	600 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Feed Temperature	270 - 275 °C	518 - 527 °F	
Front Barrel Temperature	285 - 295 °C	545 - 563 °F	
Mold Temperature	80.0 - 100 °C	176 - 212 °F	
Drying Temperature	80.0 °C	176 °F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	275-285°C	
Fire and smoke F index	2	NF F16 101, I2,F3

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