

Teknor Apex Chemlon® 133 G Nylon 66, 33% Short Glass Fiber Filled

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

Material Notes:

Notes: Flammability: Passes, FMVSS 302 Processing Method: Injection Molding Forms: Pellets FMVSS Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Chemlon-133-G-Nylon-66-33-Short-Glass-Fiber-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ASTM D792
Water Absorption	0.90 %	0.90 %	24 hr; ASTM D750
Linear Mold Shrinkage	0.0015 - 0.0040 cm/cm	0.0015 - 0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	176 MPa	25500 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Flexural Strength	276 MPa	40000 psi	ASTM D790
Flexural Modulus	8.62 GPa	1250 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Temperature 22.8 °C	2.00 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	50.4 µm/m-°C	28.0 µin/in-°F	ASTM D696
Melting Point	257 °C	495 °F	DSC
Deflection Temperature at 1.8 MPa (264 psi)	249 °C	480 °F	Unannealed; ASTM D648
Flammability, UL94	HB @Thickness 0.7607 mm	HB @Thickness 0.02995 in	
Oxygen Index	25 %	25 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257

Electrical Properties	Metric	English	Comments
	16.1 kV/mm	412 kV/in	
Dielectric Strength	@Thickness 3.00 mm	@Thickness 0.118 in	ASTM D149
Comparative Tracking Index	600 V	600 V	UL 746

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	246 - 257 °C	475 - 495 °F	
Middle Barrel Temperature	263 - 274 °C	505 - 525 °F	
Front Barrel Temperature	268 - 282 °C	515 - 540 °F	
Nozzle Temperature	268 - 282 °C	515 - 540 °F	
Melt Temperature	263 - 282 °C	505 - 540 °F	Processing Temperature
Drying Temperature	79.4 °C	175 °F	

Descriptive Properties	Value	Comments
Suggested Moisture, max	0.2	
Suggested Regrind, max	25	

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