

Teknor Apex Chemlon® 109-33 GH Nylon 66, 33% Glass Fiber Filled

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

Material Notes:

Notes: High-Impact; Reinforced with 33% Glass Fibers; Highly toughened compound exhibiting strength and rigidity Features: Good Creep Resistance; Good Stiffness; High Strength; Good Impact Resistance; Good Toughness; Good Processability; Heat Stabilized Processing
Method: Injection Molding Forms: Pellets Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Chemlon-109-33-GH-Nylon-66-33-Glass-Fiber-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792
Water Absorption	0.80 %	0.80 %	24 hr; ASTM D750
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	138 MPa	20000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	203 MPa	29500 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm @Temperature 22.8 °C	3.00 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	246 °C	475 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	293 °C	560 °F	
Middle Barrel Temperature	282 °C	540 °F	
Front Barrel Temperature	277 °C	530 °F	
Nozzle Temperature	277 °C	530 °F	
Mold Temperature	60.0 - 93.3 °C	140 - 200 °F	
Drying Temperature	65.6 - 82.2 °C	150 - 180 °F	

Processing Properties	Metric	English	Comments
Screw Speed	60 - 120 rpm	60 - 120 rpm	

Descriptive Properties	Value	Comments
Appearance	Black; Natural Color	
Suggested Moisture, max	0.2	

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