

Teknor Apex Chemlon^Â® 113 GH Nylon 66, 13% Short Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled , Nylon 66, Glass Fiber Filled, Flame Retardant

Material Notes:

Features: Good creep Resistance; Good stiffness; Good dimensional stability; High strength; Heat stabilized Processing Method: Injection

Molding Forms: Pellets Automotive Specifications: Chrysler MS-DB41 CPN2239 Color: BK001 Black; Chrysler MS-DB41 CPN3794 Color:

Non-matched Color; Chrysler MS-DB41 CPN4061 Color: 100% Color Match; Ford ESA-M4D349-A; GM GMP.PA66.020 Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Chemlon-113-GH-Nylon-66-13-Short-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	114 MPa	16500 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Flexural Strength	169 MPa	24500 psi	ASTM D790
Flexural Modulus	4.65 GPa	675 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm @Temperature 22.8 Â°C	1.20 ft-lb/in @Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	215 Â°C	419 Â°F	Unannealed; ASTM D648
Flammability, UL94	HB @Thickness 0.810 mm	HB @Thickness 0.0319 in	
Oxygen Index	25 %	25 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Dielectric Strength	18.1 kV/mm	460 kV/in	ASTM D149

Electrical Properties	@Thickness 3.00 mm Metric	@Thickness 0.118 in English	Comments
Comparative Tracking Index	600 V	600 V	UL 746

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	241 - 257 Â°C	465 - 495 Â°F	
Middle Barrel Temperature	257 - 271 Â°C	495 - 520 Â°F	
Front Barrel Temperature	263 - 279 Â°C	505 - 535 Â°F	
Nozzle Temperature	263 - 282 Â°C	505 - 540 Â°F	
Melt Temperature	257 Â°C	495 Â°F	
	263 - 282 Â°C	505 - 540 Â°F	Processing Temperature
Drying Temperature	79.4 Â°C	175 Â°F	

Descriptive Properties	Value	Comments
Appearance	Black; Natural Color	
Suggested Moisture, max	0.2	
Suggested Re grind, max	25	

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