

Teknor Apex Chemlon[®] 125-15 MGH Nylon 66, 25% Mineral Reinforced, 15% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled , Nylon 66, 30% Mineral Filled

Material Notes:

Notes: 25% Mineral - 15% Glass; Excellent stiffness and strength, especially at high temperatures, with improved warpage control over glass reinforced products; FMVSS Flammability: Passes, FMVSS 302 Features: Heat Stabilized Processing Method: Injection Method Forms: Pellets Automotive Specifications: Chrysler Ms-DB41 CPN2554 Color: BK001 Black Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Chemlon-125-15-MGH-Nylon-66-25-Mineral-Reinforced-15-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.54 g/cc	1.54 g/cc	ASTM D792
Linear Mold Shrinkage	0.0015 - 0.0040 cm/cm	0.0015 - 0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	128 MPa	18500 psi	ASTM D638
Elongation at Break	2.5 %	2.5 %	ASTM D638
Elongation at Yield	2.5 %	2.5 %	ASTM D638
Flexural Strength	190 MPa	27500 psi	ASTM D790
Flexural Modulus	7.93 GPa	1150 ksi	ASTM D790
Izod Impact, Notched	0.747 J/cm @Temperature 22.8 Â°C	1.40 ft-lb/in @Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	257 Â°C	495 Â°F	DSC
Deflection Temperature at 1.8 MPa (264 psi)	241 Â°C	465 Â°F	Unannealed; ASTM D648
UL RTI, Electrical	65.0 Â°C @Thickness 0.749 mm	149 Â°F @Thickness 0.0295 in	UL 746
UL RTI, Mechanical with Impact	65.0 Â°C @Thickness 0.749 mm	149 Â°F @Thickness 0.0295 in	UL 746
UL RTI, Mechanical without Impact	65.0 Â°C	149 Â°F	UL 746

Thermal Properties	@Thickness 0.749 mm Metric	@Thickness 0.0295 in English	Comments
Flammability, UL94	HB	HB	
	@Thickness 0.749 mm	@Thickness 0.0295 in	
Oxygen Index	24 %	24 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	550 V	550 V	UL 746

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	241 - 257 Â°C	465 - 495 Â°F	
Middle Barrel Temperature	263 - 279 Â°C	505 - 535 Â°F	
Front Barrel Temperature	268 - 285 Â°C	515 - 545 Â°F	
Nozzle Temperature	268 - 282 Â°C	515 - 540 Â°F	
Melt Temperature	263 - 285 Â°C	505 - 545 Â°F	Processing Temperature
Drying Temperature	79.4 Â°C	175 Â°F	

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

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