

## Teknor Apex Chemlon® 240 MH Nylon 6, 40% Short Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 40% Glass Fiber Filled , Nylon 6, Glass Fiber Filled, Flame Retardant

### Material Notes:

Features: Heat Stabilized; Warp Resistant Forms: Pellets Additive: Heat Stabilizer Automotive Specifications: GM

GMP.PA6.011 Information Provided by Teknor Apex

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Teknor-Apex-Chemlon-240-MH-Nylon-6-40-Short-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_Teknor-Apex-Chemlon-240-MH-Nylon-6-40-Short-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.51 g/cc	1.51 g/cc	ASTM D792
Linear Mold Shrinkage	0.0060 - 0.010 cm/cm	0.0060 - 0.010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	89.6 MPa	13000 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Elongation at Yield	3.9 %	3.9 %	ASTM D638
Flexural Strength	143 MPa	20800 psi	ASTM D790
Flexural Modulus	5.86 GPa	850 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Temperature 22.8 Â°C	1.10 ft-lb/in @Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	55.8 Âµm/m-Â°C	31.0 Âµin/in-Â°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	149 Â°C	300 Â°F	Unannealed; ASTM D648
Flammability, UL94	HB @Thickness 0.810 mm	HB @Thickness 0.0319 in	
Oxygen Index	23 %	23 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Dielectric Strength	11.0 kV/mm @Thickness 3.00 mm	280 kV/in @Thickness 0.118 in	ASTM D149

Electrical Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Rear Barrel Temperature	218 - 235 Â°C	425 - 455 Â°F	
Middle Barrel Temperature	252 - 257 Â°C	485 - 495 Â°F	
Front Barrel Temperature	252 - 268 Â°C	485 - 515 Â°F	
Nozzle Temperature	252 - 268 Â°C	485 - 515 Â°F	
Melt Temperature	216 Â°C	420 Â°F	
	249 - 268 Â°C	480 - 515 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	

## Contact Songhan Plastic Technology Co.,Ltd.

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