

Teknor Apex Chemlon® 104-13 GH Nylon 66, 13% Glass Fiber Reinforced

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

Material Notes:

Notes: Impact Modified; Reinforced with 13% Glass Fibers; Synergistic compound exhibiting impact strength and dimensional stability

Features: Good Dimensional stability; Good Processability; Heat Stabilized; Good Impact Resistance; Good Toughness; High Strength

Processing Method: Injection Molding Forms: Pellets Additive: Heat Stabilizer Automotive Specifications: Chrysler MS-DB41 CPN1987

Color: BK001 Black; Ford ESA-M4D189-A; GM GMP.PA66.057 Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Chemlon-104-13-GH-Nylon-66-13-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Water Absorption	1.2 %	1.2 %	24 hr; ASTM D750
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955
Melt Flow	20.0 g/10 min @Load 2.16 kg, Temperature 235 Å°C	20.0 g/10 min @Load 4.76 lb, Temperature 455 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength	96.5 MPa	14000 psi	ASTM D638
Elongation at Break	7.0 %	7.0 %	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Strength	134 MPa	19500 psi	ASTM D790
Flexural Modulus	3.79 GPa	550 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm @Temperature -40.0 Å°C	1.30 ft-lb/in @Temperature -40.0 Å°F	ASTM D256
	1.33 J/cm @Temperature 22.8 Å°C	2.50 ft-lb/in @Temperature 73.0 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	215 Å°C	419 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Thermal Properties	Metric @ Thickness 0.810 mm	English @ Thickness 0.0319 in	Comments
--------------------	--------------------------------	----------------------------------	----------

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Dielectric Strength	111 kV/mm @Thickness 3.00 mm	2820 kV/in @Thickness 0.118 in	ASTM D149
Comparative Tracking Index	500 V	500 V	UL 746

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	241 - 257 Â°C	465 - 495 Â°F	
Middle Barrel Temperature	263 - 274 Â°C	505 - 525 Â°F	
Front Barrel Temperature	263 - 282 Â°C	505 - 540 Â°F	
Nozzle Temperature	263 - 279 Â°C	505 - 535 Â°F	
Melt Temperature	257 Â°C	495 Â°F	
	263 - 279 Â°C	505 - 535 Â°F	Processing Temperature
Mold Temperature	60.0 - 93.3 Â°C	140 - 200 Â°F	
Drying Temperature	79.4 Â°C	175 Â°F	
Screw Speed	60 - 120 rpm	60 - 120 rpm	

Descriptive Properties	Value	Comments
Appearance	Black; Natural Color	
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