

Teknor Apex Chemlon[®] 275H Nylon 6, Copolymer, Impact Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Impact Grade

Material Notes:

Notes: Very high impact and elongation, low flexural modulus material for tubing and wire jacketing applications requiring a soft, flexible product; FMVSS Flammability: Passes, FMVSS 302 Processing Method: Extrusion; Injection Molding Forms: Pellets Automotive

Specifications: Chrysler MS-DB41 Type PA CPN2785 Color: BK001 Black; Ford ESB-M4D423-A2; Ford ESF-M4D423-A; Ford ESB-M4D426-A; GM GMP.PA6.003; GM GMP.PA6.004; Packard M-2170 Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Chemlon-275H-Nylon-6-Copolymer-Impact-Modified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Linear Mold Shrinkage	0.015 - 0.020 cm/cm	0.015 - 0.020 in/in	ASTM D955
Melt Flow	3.0 g/10 min	3.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength	44.8 MPa	6500 psi	ASTM D638
Elongation at Break	250 %	250 %	ASTM D638
Flexural Strength	27.6 MPa	4000 psi	ASTM D790
Flexural Modulus	0.0689 GPa	10.0 ksi	ASTM D790
Izod Impact, Notched	10.1 J/cm @Temperature 22.8 Â°C	19.0 ft-lb/in @Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	214 Â°C	417 Â°F	DSC
Deflection Temperature at 0.46 MPa (66 psi)	143 Â°C	290 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	48.9 Â°C	120 Â°F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	216 - 235 Â°C	420 - 455 Â°F	
Middle Barrel Temperature	229 - 252 Â°C	445 - 485 Â°F	
Front Barrel Temperature	241 - 254 Â°C	465 - 490 Â°F	

Processing Properties	Metric	English	Comments
Nozzle Temperature	241 - 254 Â°C	465 - 490 Â°F	
Melt Temperature	241 - 254 Â°C	465 - 490 Â°F	Processing Temperature
Drying Temperature	79.4 Â°C	175 Â°F	

Descriptive Properties	Value	Comments
Suggested Moisture, max	0.15	
Suggested Re grind, max	25	

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