

Chemlon® 140 BH

Teknor Apex Company (Chem Polymer) - Polyamide 66

Friday, June 30, 2017

General Information

General

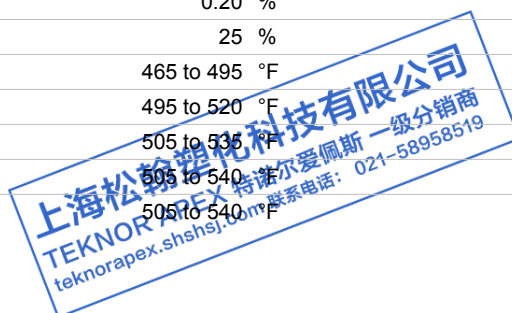
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Bead		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44		ASTM D792
Molding Shrinkage - Flow ²	0.010 to 0.015	in/in	ASTM D955
Water Absorption (24 hr)	0.90	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	12500	psi	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	685000	psi	ASTM D790
Flexural Strength	19500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.80	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	468	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	419	°F	ASTM D648
Melting Temperature	495	°F	ASTM D789
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength (0.118 in)	380	V/mil	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating ³ (0.03 in)	HB		UL 94
Oxygen Index	27	%	ASTM D2863

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	175	°F
Suggested Max Moisture	0.20	%
Suggested Max Regrind	25	%
Rear Temperature	465 to 495	°F
Middle Temperature	495 to 520	°F
Front Temperature	505 to 535	°F
Nozzle Temperature	505 to 540	°F
Processing (Melt) Temp	505 to 540	°F



Revision Date: 4/28/2010

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Notes

¹ Typical properties: these are not to be construed as specifications.

² Dependent upon molding conditions particularly Mold temperature.

³ Chem Polymer measurement according to UL.

Teknor Apex Company Corporate Headquarters

*In U.S. for Vinyls, TPEs, Colorants,
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