



Chemlon® 140 GH

Teknor Apex Company - Polyamide 66

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Additive	• Heat Stabilizer • Lubricant
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.49		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	29000	psi	ASTM D638
Tensile Elongation (Yield)	2.0	%	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	1.60E+6	psi	ASTM D790
Flexural Strength	40300	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	2.4	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	482	°F	ASTM D648
Melting Temperature	495	°F	ASTM D789
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.03 in)	HB		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Suggested Max Moisture	0.20	%
Suggested Max Regrind	25	%
Rear Temperature	485 to 535	°F
Middle Temperature	515 to 555	°F
Front Temperature	515 to 555	°F
Nozzle Temperature	515 to 555	°F
Processing (Melt) Temp	510 to 545	°F

Notes

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