



Chemlon® 543 GH

Teknor Apex Company - Polyamide 66

General Information

General

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm ³	ISO 1183
Molding Shrinkage	0.10 to 0.30	%	ISO 2577
Water Absorption (24 hr, 73°F)	0.70	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	26100	psi	ISO 527
Tensile Strain (Break)	3.0	%	ISO 527
Flexural Modulus	1.70E+6	psi	ISO 178/A
Flexural Stress	37000	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	3.8	ft-lb/in ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	> 437	°F	ISO 75-2/A
Melting Temperature	495	°F	ISO 11357
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.031 in)	HB		UL 94

Notes

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