



Chemlon® 233 GHI BK004

Teknor Apex Company - Polyamide 6

General Information

General

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage	0.15 to 0.40	%	ISO 2577
Water Absorption (24 hr, 73°F)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Injection Molded)	21500	psi	ISO 527
Tensile Strain (Break, Injection Molded)	4.0	%	ISO 527
Flexural Modulus (Injection Molded)	1.16E+6	psi	ISO 178/A
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F, Injection Molded)	115		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed, Injection Molded	392	°F	ISO 75-2/A
Melting Temperature	428	°F	ISO 11357
CLTE - Flow (-22 to 302°F)	1.3E-5	in/in/°F	ASTM E831
CLTE - Transverse (-22 to 302°F)	3.4E-5	in/in/°F	ASTM E831
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.