



Chemlon® 433 GI

Teknor Apex Company - Polyamide 6

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	1.36	g/cm ³	ISO 1183
Molding Shrinkage	0.20 to 0.40	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	19600	psi	ISO 527
Tensile Strain (Break)	3.5	%	ISO 527
Flexural Modulus	1.09E+6	psi	ISO 178/A
Flexural Stress	26800	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	5.7	ft·lb/in ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	347	°F	
Melting Temperature	428	°F	ISO 11357

Notes

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