



Chemlon® 420-10 MGH

Teknor Apex Company - Polyamide 6

General Information

General

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage	0.10 to 0.30	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.09E+6	psi	ISO 527
Tensile Stress	15200	psi	ISO 527
Tensile Strain (Break)	3.5	%	ISO 527
Flexural Modulus	1.03E+6	psi	ISO 178/A
Flexural Stress	23900	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.8	ft-lb/in ²	ISO 179
Charpy Unnotched Impact Strength (73°F)	17	ft-lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	428	°F	ISO 11357

Notes

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