



Chemlon® 217 GI

Teknor Apex Company - Polyamide 6

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 17% Filler by Weight		
Additive	• Impact Modifier		
Features	• Creep Resistant	• Good Toughness	
	• Good Stiffness	• Impact Modified	
Appearance	• Black	• Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Molding Shrinkage	0.35 to 0.65	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	13800	psi	ISO 527
Tensile Strain (Break)	4.5	%	ISO 527
Flexural Modulus	653000	psi	ISO 178/A
Flexural Stress	17400	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	6.2	ft·lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	302	°F	
Melting Temperature	428	°F	ISO 11357

Notes

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