



Chemlon® 109-18 GH

Teknor Apex Company - Polyamide 66

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 18% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Creep Resistant • Ductile	• Good Impact Resistance • Good Stiffness	• Good Toughness • Heat Stabilized
Appearance	• Black	• Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	> 14100	psi	ISO 527
Tensile Strain (Break)	5.0	%	ISO 527
Flexural Modulus	624000	psi	ISO 178/A
Flexural Stress	18900	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	> 4.3	ft·lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	430	°F	ISO 75-2/A
Melting Temperature	490	°F	

Notes

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