



Chemlon® 115 GH

Teknor Apex Company - Polyamide 66

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Creep Resistant • Good Dimensional Stability	• Good Stiffness • Heat Stabilized	• High Strength
Appearance	• Black	• Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Molding Shrinkage	0.30 to 0.70	%	ISO 2577
Water Absorption (24 hr, 73°F)	0.70	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	798000	psi	ISO 527
Tensile Stress	18100	psi	ISO 527
Tensile Strain (Break)	3.0	%	ISO 527
Flexural Modulus	725000	psi	ISO 178/A
Flexural Stress	23200	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.7	ft-lb/in ²	ISO 179/1eA
Notched Izod Impact Strength (73°F)	1.9	ft-lb/in ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	455	°F	ISO 75-2/A
Melting Temperature	490	°F	
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.