



Chemlon® 109-13 GHU

Teknor Apex Company - Polyamide 66

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 13% Filler by Weight		
Additive	• Heat Stabilizer	• Lubricant	• UV Stabilizer
Features	• Creep Resistant	• Good Stiffness	• Heat Stabilized
	• Good Impact Resistance	• Good Toughness	• Lubricated
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Molding Shrinkage	0.40 to 0.70	%	ISO 2577
Water Absorption (24 hr, 73°F)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	14500	psi	ISO 527
Tensile Strain (Break)	4.5	%	ISO 527
Flexural Modulus	551000	psi	ISO 178/A
Flexural Stress	17400	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	5.2	ft·lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	446	°F	
Melting Temperature	500	°F	ISO 11357
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.