



Chemlon® 109 HU

Teknor Apex Company - Polyamide 66

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Additive	• Heat Stabilizer • Impact Modifier	• Lubricant • UV Stabilizer	
Features	• Heat Stabilized • Impact Modified	• Lubricated • Ultra High Toughness	• UV Resistant
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Molding Shrinkage	1.5 to 2.0	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	6960	psi	ISO 527
Tensile Strain (Break)	> 25	%	ISO 527
Flexural Modulus	290000	psi	ISO 178/A
Flexural Stress	9430	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	29	ft-lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	140	°F	ISO 75-2/A
Melting Temperature	500	°F	

Notes

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