



Chemlon® 500 H

Teknor Apex Company - Polyamide 66

General Information

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Additive	• Heat Stabilizer	• Lubricant	
Features	• Good Mold Release	• Heat Stabilized	• Lubricated
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Molding Shrinkage	1.7	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	11000	psi	ISO 527
Tensile Strain (Break)	15	%	ISO 527
Flexural Modulus	400000	psi	ISO 178/A
Flexural Stress	13900	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	> 1.6	ft-lb/in ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	185	°F	ISO 75-2/A
Melting Temperature	490	°F	

Notes

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