



Chemlon® 509 H

Teknor Apex Company - Polyamide 66

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Molding Shrinkage	2.2 to 2.6	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	6530	psi	ISO 527
Tensile Strain (Break)	> 25	%	ISO 527
Flexural Modulus	232000	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°F	4.8	ft·lb/in ²	
73°F	17	ft·lb/in ²	
Notched Izod Impact Strength (73°F)	19	ft·lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	495	°F	ISO 11357

Notes

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