



Chemlon® 120 CH

Teknor Apex Company - Polyamide 66

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Carbon Fiber		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Molding Shrinkage	0.080 to 0.20	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	31200	psi	ISO 527
Tensile Strain (Break)	3.0	%	ISO 527
Flexural Modulus	1.89E+6	psi	ISO 178/A
Flexural Stress	40600	psi	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	2.9	ft-lb/in ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	482	°F	ISO 75-2/A
Melting Temperature	504	°F	ISO 11357
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	437 to 545	°F
Middle Temperature	527 to 563	°F
Front Temperature	527 to 581	°F
Nozzle Temperature	527 to 572	°F
Processing (Melt) Temp	527 to 563	°F

Notes

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