



Chemlon® 110-15 MGH

Teknor Apex Company - Polyamide 66

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber\Mineral, 25% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Heat Stabilized	• High Stiffness	• High Strength
Appearance	• Black	• Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.35		ISO 1183
Molding Shrinkage - Flow	3.0E-3 to 7.0E-3	in/in	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	20300	psi	ISO 527
Tensile Elongation (Yield)	2.5	%	ISO 527
Tensile Elongation (Break)	2.5	%	ISO 527
Flexural Modulus	957000	psi	ISO 178
Flexural Strength	27600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.83	ft-lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	491	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	460	°F	ISO 75-2/B
Melting Temperature	505 to 540	°F	DSC
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.030 in)	HB		UL 94
FMVSS Flammability	PASSES		FMVSS 302

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Suggested Max Moisture	0.20	%
Suggested Max Regrind	25	%
Rear Temperature	465 to 495	°F
Middle Temperature	495 to 520	°F
Front Temperature	505 to 536	°F
Nozzle Temperature	505 to 540	°F
Processing (Melt) Temp	505 to 540	°F

Notes

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