

Chemlon® 110-15 MGH

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 110-15 MGH is a Polyamide 66 (Nylon 66) material filled with 25% glass\mineral. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Chemlon® 110-15 MGH are:

- Flame Rated
- Heat Stabilizer
- High Stiffness
- High Strength

General Information			
Filler / Reinforcement	Glass\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		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.30 to 0.70	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	140	MPa	ISO 527
Tensile Elongation			ISO 527
Yield	2.5	%	
Break	2.5	%	
Flexural Modulus	6600	MPa	ISO 178
Flexural Strength	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	3.85	kJ/m ²	ISO 180
FMVSS Flammability	PASSES		FMVSS 302
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			ISO 75-2/B
0.45 MPa, Unannealed	255	°C	
1.8 MPa, Unannealed	238	°C	
Melting Temperature	263 to 282	°C	DSC

Flammability	Nominal Value	Test Method
Flame Rating (0.749 mm)	HB	UL 94

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Suggested Max Moisture	0.20	%
Suggested Max Regrind	25	%
Rear Temperature	241 to 257	°C
Middle Temperature	257 to 271	°C
Front Temperature	263 to 280	°C
Nozzle Temperature	263 to 282	°C
Processing (Melt) Temp	263 to 282	°C

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Recommended distributors for this material

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