

Chemlon® 120 GH

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 120 GH is a Polyamide 66 (Nylon 66) material filled with 20% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Chemlon® 120 GH are:

- Flame Rated
- Good Processability
- Good Toughness
- Heat Stabilizer
- High Strength

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Processability		
	Good Toughness		
	Heat Stabilized		
	High Strength		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	128	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	2.5	%	
Break	2.5	%	
Flexural Modulus	5520	MPa	ASTM D790
Flexural Strength	190	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	227	°C	ASTM D648
Melting Temperature	263 to 282	°C	
Electrical	Nominal Value	Unit	Test Method

Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	18	kV/mm	ASTM D149
Comparative Tracking Index (CTI)	600	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Oxygen Index	25	%	ASTM D2863
FMVSS Flammability	PASSED		
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	

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Recommended distributors for this material

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