

Chemlon CHEMLON 150 G

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® CHEMLON 150 G is a Polyamide 66 (Nylon 66) material filled with glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding. Primary attribute of Chemlon® CHEMLON 150 G: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55	g/cm ³	ASTM D792
Molding Shrinkage - Flow ¹	0.070 to 0.17	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	237	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	3.0	%	
Break	3.0	%	
Flexural Modulus	13000	MPa	ASTM D790
Flexural Strength	324	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 255	°C	ASTM D648
Melting Temperature	257	°C	ASTM D789
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.810 mm)	HB		UL 94
Oxygen Index	25	%	ASTM D2863
FMVSS Flammability	Passed		FMVSS 302
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Suggested Max Moisture	0.20	%	
Suggested Max Regrind	25	%	
Rear Temperature	252 to 279	°C	
Middle Temperature	268 to 291	°C	
Front Temperature	268 to 291	°C	
Nozzle Temperature	268 to 291	°C	
Processing (Melt) Temp	266 to 285	°C	
NOTE			

1.

Dependent upon molding
conditions particularly Mold
temperature.

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Recommended distributors for this material

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