

Chemlon® 150 GHU

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 150 GHU 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® 150 GHU: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Molding Shrinkage - Flow ¹	0.070 to 0.17	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	228	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	2.0	%	
Break	2.0	%	
Flexural Modulus	13400	MPa	ASTM D790
Flexural Strength	309	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	> 255	°C	ASTM D648
Melting Temperature	261	°C	ASTM D789
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength (3.00 mm)	16	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.90		ASTM D150
Comparative Tracking Index (CTI)	600	V	UL 746
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	79.4	°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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