

Chemlon® 135 GH

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 135 GH 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® 135 GH: Flame Rated.
Typical application of Chemlon® 135 GH: Automotive

General Information			
Filler / Reinforcement	Glass Fiber		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.15 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.85	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	193	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	3.0	%	
Break	3.0	%	
Flexural Modulus	9140	MPa	ASTM D790
Flexural Strength	276	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	253	°C	ASTM D648
Melting Temperature	257	°C	
CLTE - Flow	5.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Dielectric Strength (3.00 mm)	16	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.90		ASTM D150
Dissipation Factor (1 MHz)	0.020		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
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	

Suggested Max Moisture	0.20	%
Suggested Max Regrind	25	%
Rear Temperature	246 to 257	°C
Middle Temperature	263 to 279	°C
Front Temperature	268 to 285	°C
Nozzle Temperature	268 to 285	°C
Processing (Melt) Temp	266 to 282	°C

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