

Chemlon S 125 GVH

Polyamide 66

Teknor Apex Asia Pacific PTE. LTD.

Message:

Chemlon S 125 GVH is a Polyamide 66 (Nylon 66) material filled with 25% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding. Primary attribute of Chemlon S 125 GVH: Flame Rated.
Typical applications include:
Automotive
Industrial Applications

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Halogenated		
	Heat Stabilized		
Uses	Automotive Applications		
	Industrial Applications		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate)	135	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	2.0	%	
Break	2.5	%	
Flexural Modulus	6850	MPa	ASTM D790
Flexural Strength	175	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	235	°C	ASTM D648
Melting Temperature	257	°C	ASTM D789
CLTE - Flow	5.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093

Dielectric Strength	16	kV/mm	ASTM D149
Comparative Tracking Index (CTI)	350	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	V-0		UL 94
Glow Wire Flammability Index (3.20 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (3.20 mm)	875	°C	IEC 60695-2-13
Oxygen Index	32	%	ASTM D2863
FMVSS Flammability	PASSED		
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Suggested Max Moisture	0.20	%	
Rear Temperature	252 to 268	°C	
Middle Temperature	263 to 285	°C	
Front Temperature	268 to 291	°C	
Nozzle Temperature	268 to 285	°C	

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