

# Chemlon® 125 GH

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 125 GH 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.

Important attributes of Chemlon® 125 GH are:

- Good Dimensional Stability
- Good Processability
- Good Toughness
- Heat Stabilizer
- High Strength

General Information			
UL YellowCard	E90654-271183		
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Heat Stabilizer		
	Lubricant		
Features	Good Dimensional Stability		
	Good Processability		
	Good Toughness		
	Heat Stabilized		
	High Strength		
	Lubricated		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.40	%	ASTM D955
Water Absorption (24 hr)	0.80	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	138	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	6210	MPa	ASTM D790
Flexural Strength	193	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	223	°C	ASTM D648
Melting Temperature	254	°C	
Injection	Nominal Value	Unit	
Drying Temperature	65.6 to 82.2	°C	
Suggested Max Moisture	0.20	%	
Rear Temperature	293	°C	
Middle Temperature	282	°C	
Front Temperature	277	°C	
Nozzle Temperature	277	°C	
Mold Temperature	60.0 to 93.3	°C	
Injection Pressure	34.5 to 138	MPa	
Screw Speed	60 to 120	rpm	

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

