

Chemlon® 109-33 GH

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 109-33 GH is a Polyamide 66 (Nylon 66) material filled with 33% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Chemlon® 109-33 GH are:

- Creep Resistant
- Good Processability
- Good Stiffness
- Good Toughness
- Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Creep Resistance		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Good Toughness		
	Heat Stabilized		
	High Strength		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.30	%	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)	3.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	203	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)	246	°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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

