

# Chemlon® 109-25 GU

Polyamide 66

Teknor Apex Company (Chem Polymer)

## Message:

Chemlon® 109-25 GU 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® 109-25 GU are:

- Creep Resistant
- Good Stiffness
- Good Toughness
- Impact Resistant
- UV Stabilized

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	UV Stabilizer		
Features	Good Creep Resistance		
	Good Impact Resistance		
	Good Stiffness		
	Good Toughness		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	110	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	5.0	%	ASTM D638
Flexural Modulus (23°C)	4830	MPa	ASTM D790
Flexural Strength (23°C)	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	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	

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Recommended distributors for this material

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