

Chemlon® 125-15 MGHU

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 125-15 MGHU is a Polyamide 66 (Nylon 66) material filled with 15% glass fiber and 25% mineral. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Chemlon® 125-15 MGHU are:

- Good Dimensional Stability
- Good Processability
- Good Toughness
- Good UV Resistance
- Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
	Mineral,25% Filler by Weight		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Good Dimensional Stability		
	Good Processability		
	Good Toughness		
	Good UV Resistance		
	Heat Stabilized		
	High Rigidity		
	High Strength		
	Low Warpage		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50	%	ASTM D955
Water Absorption (24 hr)	0.70	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	117	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	7240	MPa	ASTM D790

Flexural Strength	183	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	245	°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

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