

Chemlon® 143 GH

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 143 GH is a Polyamide 66 (Nylon 66) material filled with 43% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Chemlon® 143 GH are:

- Good Processability
- Good Toughness
- Heat Stabilizer
- High Strength
- Lubricated

General Information			
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
Additive	Heat Stabilizer		
	Lubricant		
Features	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	1.50	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	193	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	262	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)	249	°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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