

Chemlon® 415 G

Polyamide 6

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 415 G is a Polyamide 6 (Nylon 6) material filled with 15% glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Chemlon® 415 G are:

- Creep Resistant
- Good Dimensional Stability
- Good Stiffness
- High Strength

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	Good Creep Resistance		
	Good Dimensional Stability		
	Good Stiffness		
	High Tensile Strength		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	89.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.0	%	ASTM D638
Flexural Modulus (23°C)	40300	MPa	ASTM D790
Flexural Strength (23°C)	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	199	°C	ASTM D648
Melting Temperature	216	°C	

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Recommended distributors for this material

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