

Chemlon® 415 G

Teknor Apex Company (Chem Polymer) - Polyamide 6

Tuesday, December 19, 2017

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight		
Features	• Creep Resistant	• Good Stiffness	
	• Good Dimensional Stability	• High Tensile Strength	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.23		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	13000	psi	ASTM D638
Tensile Elongation (Break, 73°F)	4.0	%	ASTM D638
Flexural Modulus (73°F)	5.85E+6	psi	ASTM D790
Flexural Strength (73°F)	21000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.5	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	390	°F	ASTM D648
Melting Temperature	420	°F	

Notes

¹ Typical properties: these are not to be construed as specifications.

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