



Chemlon® 250 GH

Teknor Apex Company - Polyamide 6

General Information

Product Description

Chemlon 250 GH is a 50% glass filled nylon 6.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 50% Filler by Weight		
Additive	• Heat Stabilizer	• Lubricant	
Features	• Good Dimensional Stability	• Good Impact Resistance	• High Tensile Strength
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.54		ASTM D792
Molding Shrinkage			ISO 294-4
Across Flow	0.60	%	
Flow	0.060	%	
Water Absorption (24 hr, 73°F)	0.60	%	ISO 62
Water Absorption (Saturation, 73°F)	1.9	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2.28E+6	psi	ISO 527-1
Tensile Stress (Break)	27600	psi	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	2.03E+6	psi	ISO 178
Flexural Stress	39200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.8	ft-lb/in ²	ISO 179
Charpy Unnotched Impact Strength	31	ft-lb/in ²	ISO 179
Notched Izod Impact Strength	4.8	ft-lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	419	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	392	°F	ASTM D648
Melting Temperature	420	°F	
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

Notes

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