



Chemlon® 243 G

Teknor Apex Company - Polyamide 6

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 73°F)	28300	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.0	%	ISO 527-2
Flexural Modulus (73°F)	1.45E+6	psi	ISO 178
Flexural Stress (73°F)	38400	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	5.2	ft·lb/in ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	> 401	°F	ISO 75-2/A
Melting Temperature	428	°F	ASTM D789
Flammability	Nominal Value	Unit	Test Method
Flame Rating 0.03 in, Teknor Apex measurement according to UL	HB		UL 94

Notes

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