

Chemlon® 243 GH

Polyamide 6

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 243 GH is a Polyamide 6 (Nylon 6) material filled with glass fiber. It is available in Asia Pacific, Europe, or North America for injection molding. Primary attribute of Chemlon® 243 GH: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm ³	ISO 1183
Molding Shrinkage ¹	0.10 to 0.25	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	195	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2
Flexural Modulus (23°C)	10000	MPa	ISO 178
Flexural Stress (23°C)	265	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	11	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	> 205	°C	ISO 75-2/A
Melting Temperature	220	°C	ASTM D789
Flammability	Nominal Value	Test Method	
Flame Rating (0.810 mm, Teknor Apex measurement according to UL)	HB	UL 94	
FMVSS Flammability	PASS	FMVSS 302	
NOTE			

1.

Dependent upon molding conditions particularly Mold temperature.

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Recommended distributors for this material

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