

Chemlon[®] 243 GH

Teknor Apex Company (Chem Polymer) - Polyamide 6

Friday, June 30, 2017

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/cm³	ISO 1183		
Molding Shrinkage ²	0.10 to 0.25	%	ISO 2577		
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/in²	ISO 180/1A		
Thermal	Nominal Value	Unit	Test Method		
Heat Deflection Temperature (264 psi, Unannealed)	> 401	°F	ISO 75-2/A		
Melting Temperature	428	°F	ASTM D789		
Flammability	Nominal Value	Unit	Test Method		
Flame Rating			UL 94		
0.03 in, Teknor Apex measurement according to UL	HB				
FMVSS Flammability	PASS		FMVSS 302		

Notes

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

² Dependent upon molding conditions particularly Mold temperature.

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