

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/cm ³	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/in ²	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.

Teknor Apex Company Corporate Headquarters

*In U.S. for Vinyls, TPEs, Colorants,
Engineered Thermoplastics (Chem Polymer)*

505 Central Avenue
Pawtucket, Rhode Island 02861 U.S.

Phone: 401-725-8000
Fax: 401-725-8095
Toll Free (U.S. only) 800-556-3864

info@teknorapex.com

Teknor Apex U.K. Ltd.

Tat Bank Road
Oldbury, West Midlands B69 4NH England

Phone: (44) 121-665-2100
Fax: (44) 121-544-5530

etpsales@teknorapex.co.uk



Revision Date: 3/2/2011