

Chemlon® 240 MH

Teknor Apex Company (Chem Polymer) - Polyamide 6

Friday, June 30, 2017

General Information

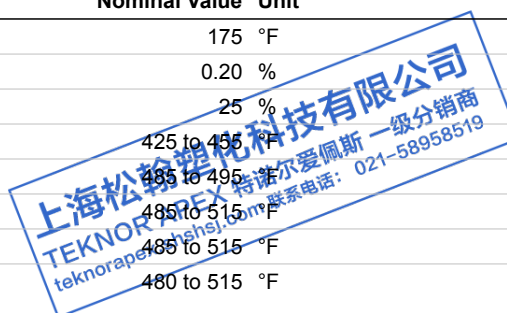
General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Mineral, 40% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Heat Stabilized	• Warp Resistant	
Automotive Specifications	• GM GMP.PA6.011 Color: Black	• GM GMP.PA6.011 Color: Natural	
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51		ASTM D792
Molding Shrinkage - Flow	6.0E-3 to 0.010	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	13000	psi	ASTM D638
Tensile Elongation (Yield)	3.9	%	ASTM D638
Tensile Elongation (Break, 73°F)	4.0	%	ASTM D638
Flexural Modulus (73°F)	850000	psi	ASTM D790
Flexural Strength (73°F)	20800	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.1	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	300	°F	ASTM D648
Melting Temperature	420	°F	
CLTE - Flow	3.1E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength (0.118 in)	280	V/mil	ASTM D149
Comparative Tracking Index (CTI)	500	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.03 in)	HB		UL 94
Oxygen Index	23	%	ASTM D2863

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	175	°F
Suggested Max Moisture	0.20	%
Suggested Max Regrind	25	%
Rear Temperature	425 to 455	°F
Middle Temperature	485 to 495	°F
Front Temperature	485 to 515	°F
Nozzle Temperature	485 to 515	°F
Processing (Melt) Temp	480 to 515	°F



Revision Date: 12/11/2008

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Notes

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

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

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

info@teknorapex.com

上海松翰塑化科技有限公司
TEKNOR APEX 特诺尔爱佩斯 一级分销商
teknorapex.shshsj.com 联系电话: 021-58958519

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