

# Chemlon® 225-15 MGHU

Teknor Apex Company (Chem Polymer) - Polyamide 6

Friday, June 30, 2017

## General Information

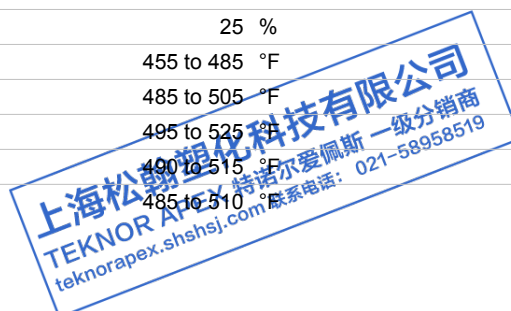
General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass\Mineral		
Uses	• Automotive Applications		
Automotive Specifications	• GM GMP.PA6.001 Color: Black	• GM GMP.PA6.001 Color: Natural	
Forms	• Pellets		
Processing Method	• Injection Molding		

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48		ASTM D792
Molding Shrinkage - Flow <sup>2</sup>	2.0E-3 to 3.5E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.70	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	19000	psi	ASTM D638
Tensile Elongation (Yield)	2.0	%	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	1.25E+6	psi	ASTM D790
Flexural Strength	28500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.3	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	415	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	407	°F	ASTM D648
Melting Temperature	420	°F	ASTM D789
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.03 in)	HB		UL 94
Oxygen Index	22	%	ASTM D2863

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	175	°F
Suggested Max Moisture	0.20	%
Suggested Max Regrind	25	%
Rear Temperature	455 to 485	°F
Middle Temperature	485 to 505	°F
Front Temperature	495 to 525	°F
Nozzle Temperature	490 to 515	°F
Processing (Melt) Temp	485 to 510	°F



### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Dependent upon molding conditions particularly Mold temperature.

Revision Date: 12/11/2008

# Chemlon® 225-15 MGHU

## Teknor Apex Company (Chem Polymer) - Polyamide 6

**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](mailto:etpsales@teknorapex.co.uk)

[info@teknorapex.com](mailto: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](http://teknorapex.shshsj.com) 联系电话: 021-58958519

Revision Date: 12/11/2008

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.