

Chemlon® 110-15 MGH

Teknor Apex Company (Chem Polymer) - Polyamide 66

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass\Mineral, 25% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Heat Stabilized	• High Stiffness	• High Strength
Appearance	• Black	• Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

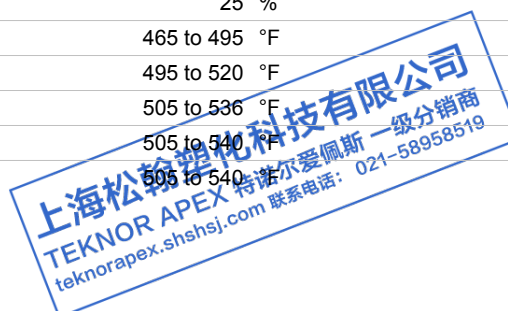
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35		ISO 1183
Molding Shrinkage - Flow	3.0E-3 to 7.0E-3	in/in	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	20300	psi	ISO 527
Tensile Elongation (Yield)	2.5	%	ISO 527
Tensile Elongation (Break)	2.5	%	ISO 527
Flexural Modulus	957000	psi	ISO 178
Flexural Strength	27600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.83	ft-lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	491	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	460	°F	ISO 75-2/B
Melting Temperature	505 to 540	°F	DSC
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.030 in)	HB		UL 94
FMVSS Flammability	PASSES		FMVSS 302

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Suggested Max Moisture	0.20	%
Suggested Max Re grind	25	%
Rear Temperature	465 to 495	°F
Middle Temperature	495 to 520	°F
Front Temperature	505 to 536	°F
Nozzle Temperature	505 to 540	°F
Processing (Melt) Temp	505 to 540	°F

Notes

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



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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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