

- Polyamide 66

Friday, June 30, 2017

General Information

General

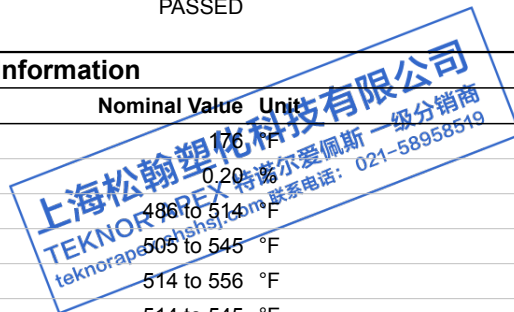
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight		
Features	• Halogenated	• Heat Stabilized	
Uses	• Automotive Applications	• Industrial Applications	
Appearance	• Black	• Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55		ASTM D792
Molding Shrinkage - Flow	1.0E-3 to 3.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate)	19600	psi	ASTM D638
Tensile Elongation (Yield)	2.0	%	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	994000	psi	ASTM D790
Flexural Strength	25400	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.6	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	455	°F	ASTM D648
Melting Temperature	495	°F	ASTM D789
CLTE - Flow	3.1E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Dielectric Strength	410	V/mil	ASTM D149
Comparative Tracking Index (CTI)	350	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.031 in)	V-0		UL 94
Glow Wire Flammability Index (0.13 in)	1760	°F	IEC 60695-2-12
Glow Wire Ignition Temperature (0.13 in)	1610	°F	IEC 60695-2-13
Oxygen Index	32	%	ASTM D2863
FMVSS Flammability	PASSED		

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Suggested Max Moisture	0.20	%
Rear Temperature	486 to 514	°F
Middle Temperature	505 to 545	°F
Front Temperature	514 to 556	°F
Nozzle Temperature	514 to 545	°F



Revision Date: 7/4/2014

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.

Chemlon S 125 GVH

- Polyamide 66

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

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

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

Revision Date: 7/4/2014

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.