

# APEX® 302

Teknor Apex Company - Flexible Polyvinyl Chloride

Friday, June 30, 2017

## General Information

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant	• Low Hardness	• Low Temperature Flexibility
Uses	• Military Cable Insulation	• Retractable Cord Insulation	
Agency Ratings	• MIL I-3930-C		
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2250	psi	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	74		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	176	°F	ASTM D794
Brittleness Temperature	-50.8	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	5.8E+11	ohms-cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	24	%	ASTM D2863

### Additional Information

Temperature Rating: 80 °C  
 Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 100°C: 100 %  
 Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 100°C: 102 %

## Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	345	°F

### Notes

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



Revision Date: 12/12/2013

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## Teknor Apex Company - Flexible Polyvinyl Chloride

**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

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