

# APEX® 460

Teknor Apex Company - Flexible Polyvinyl Chloride

Friday, June 30, 2017

## General Information

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Low to No Migration		• Oil Resistant
Uses	• Flexible Cord Jacketing		
Wire Types	• SJTOO	• STOO	
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2400	psi	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	1.40	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+11	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	23	%	ASTM D2863

### Additional Information

1/64 in wall  
 Temperature Rating: 105 °C  
 UL Sunlight Resistance Recognition: No  
 Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 136°C: 92 %  
 Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 136°C: 97 %  
 Ultimate Elongation Retained, UL 1581, ASTM #2 Oil, 7 days, 60°C: 90 %  
 Tensile Strength Retained, UL 1581, ASTM #2 Oil, 7 days, 60°C: 108 %

## Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	355	°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

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