

# APEX® 716

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	• High Heat Resistance		
Uses	• Flexible Cord Insulation	• Wire & Cable Applications	• Wire Jacketing
Wire Types	• SPT-1	• SPT-2	• SPT-3
Agency Ratings	• UL 62		
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Extrusion		

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2700	psi	ASTM D638
Tensile Elongation (Break)	340	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	85		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-36.4	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+12	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	23	%	ASTM D2863

### Additional Information

Prime suggestion  
 Temperature Rating: 105 °C  
 Ultimate Elongation Retained, UL 1581, Oven Aged, 7 days, 136°C: 77 %  
 Tensile Strength Retained, UL 1581, Oven Aged, 7 days, 136°C: 106 %

## Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	360	°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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