

# APEX® 84451

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
Uses	• Wire & Cable Applications		
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		

## 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)	2440	psi	ASTM D638
Tensile Elongation (Break)	340	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	90		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	15.8	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (122°F)	6.5E+10	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	5.31		
1 MHz	3.76		
Dissipation Factor			ASTM D150
1 kHz	0.11		
1 MHz	0.051		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863

### Notes

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

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