

# APEX® 84451

Teknor Apex Company - Flexible Polyvinyl Chloride

Wednesday, August 28, 2019

## 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
Density / 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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