

# APEX® 80851

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	• Insulation	• Wire & Cable Applications	
Wire Types	• AWM • THHN	• THW • THWN	• TW
Agency Ratings	• MIL W-16878	• UL QMTT2	
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3200	psi	ASTM D638
Tensile Elongation (Break)	320	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	71		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-11.2	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.8E+14	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	4.05		
1 MHz	2.89		
Dissipation Factor			ASTM D150
1 kHz	0.074		
1 MHz	0.048		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	28	%	ASTM D2863

### Notes

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

Revision Date: 12/12/2013

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.