

# APEX® 80853-C Nat 14

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
Wire Types	• THHN • THHW • THW	• THW-2 • THWN • THWN-2	• TW
Forms	• Pellets		

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.31		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3100	psi	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C)	73		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-2.20	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.4E+15	ohms·cm	ASTM D257
Dielectric Strength	880	V/mil	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	4.36		
1 MHz	2.99		
Dissipation Factor			ASTM D150
1 kHz	0.095		
1 MHz	0.058		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	ASTM D2863

### Additional Information

Volume Resistivity, ASTM D257, 23°C: 2.7 x10<sup>15</sup> ohm-cm  
Volume Resistivity, ASTM D257, 50°C: 3.40 x 10<sup>15</sup> ohm-cm

Oil Rating: 4 days @ 100 C  
Oil Rating: 60 days @ 75 C

720 Hour Sunlight Resistant

Data Sheet Applies to Colors Listed Below:  
Nat 14 (0117285)

### Notes

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

Revision Date: 8/9/2019

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