

# APEX® 84131

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	• Flame Retardant	• High Heat Resistance	• Sunlight Resistant (720 hours)
Uses	• Transportation Wire Jacketing		
Wire Types	• SAE • SJTW • SPT-1	• SPT-2 • SPT-3 • SRDT	• STW • SVT
Agency Ratings	• UL 62	• UL QMTT2	
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2250	psi	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-20.2	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.5E+13	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	5.34		
1 MHz	3.46		
Dissipation Factor			ASTM D150
1 kHz	0.064		
1 MHz	0.094		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	25	%	ASTM D2863

### 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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