

# APEX® 84856

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	• Direct Burial	• Flame Retardant	• Sunlight Resistant (720 hours)
Uses	• Cable Jacketing		
Wire Types	• ITC	• TC	
Agency Ratings	• UL 1277	• UL QMTT2	
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2800	psi	ASTM D638
Tensile Elongation (Break)	310	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	67		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	194	°F	ASTM D794
Brittleness Temperature	-11.2	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	9.4E+13	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
	1 kHz	4.78	
1 MHz	3.36		
Dissipation Factor			ASTM D150
	1 kHz	0.064	
1 MHz	0.082		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	ASTM D2863

### Notes

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

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