

APEX® 84842

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	• High Heat Resistance • Sunlight Resistant (720 hours)		
Uses	• Cable Jacketing • Outdoor Applications		
Wire Types	• CXTW • SJTW	• SPT-1W • SPT-2W	• STW • XTW
Agency Ratings	• UL 62 • UL QMTT2		
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2600	psi	ASTM D638
Tensile Elongation (Break)	360	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	86		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-22.0	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.6E+13	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	4.90		
1 MHz	3.06		
Dissipation Factor			ASTM D150
1 kHz	0.096		
1 MHz	0.075		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	ASTM D2863

Notes

¹ Typical properties: these are not to be construed as specifications.

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