

APEX® 80842

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
Features	• High Heat Resistance	• Sunlight Resistant (720 hours)	
Uses	• Outdoor Applications	• Wire & Cable Applications	• Wire Jacketing
Agency Ratings	• UL QMTT2		
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2400	psi	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	82		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-23.8	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.2E+14	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	5.15		
1 MHz	3.09		
Dissipation Factor			ASTM D150
1 kHz	0.094		
1 MHz	0.079		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	26	%	ASTM D2863

Notes

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

Revision Date: 12/3/2015

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