

APEX® 80853-A

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
Uses	• Wire & Cable Applications		
Wire Types	• THHN • THHW	• THW • THWN	• TW
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	1.37		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2900	psi	ASTM D638
Tensile Elongation (Break)	290	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	76		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	12.2	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (122°F)	1.5E+14	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	4.12		
1 MHz	2.96		
Dissipation Factor			ASTM D150
1 kHz	0.087		
1 MHz	0.040		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	28	%	ASTM D2863

Additional Information

Data Sheet Applies to Color(s) Listed Below:

Natural (1012217)
Natural 14 (1016241)

Notes

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

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