

APEX® 80851

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
Uses	• Insulation • Wire & Cable Applications		
Wire Types	• AWM • THHN	• THW • THWN	• TW
Agency Ratings	• MIL W-16878	• UL QMTT2	
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3200	psi	ASTM D638
Tensile Elongation (Break)	320	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	71		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-11.2	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.8E+14	ohms·cm	ASTM D257
Dielectric Constant	1 kHz	4.05	ASTM D150
	1 MHz	2.89	
Dissipation Factor	1 kHz	0.074	ASTM D150
	1 MHz	0.048	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	28	%	ASTM D2863

Notes

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

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