

APEX® 80851

Flexible Polyvinyl Chloride

Teknor Apex Company

Message:

APEX® 80851 is a Flexible Polyvinyl Chloride material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary attribute of APEX® 80851: RoHS Compliant.

Typical applications include:

Wire & Cable

Military Applications

General Information			
Uses	Insulation		
	Wire & Cable Applications		
Wire Types	AWM		
	THHN		
	THW		
	THWN		
	TW		
Agency Ratings	MIL W-16878		
	UL QMTT2 .E73402		
RoHS Compliance	RoHS Compliant		
Appearance	Opaque		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	71		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	22.1	MPa	ASTM D638
Tensile Elongation (Break)	320	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	105	°C	ASTM D794
Brittleness Temperature	-24.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.8E+14	ohms · cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	4.05		
1 MHz	2.89		

Dissipation Factor		ASTM D150	
1 kHz	0.074		
1 MHz	0.048		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	28	%	ASTM D2863

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Recommended distributors for this material


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