

APEX® 80853-B

Flexible Polyvinyl Chloride

Teknor Apex Company

Message:

APEX® 80853-B is a Flexible Polyvinyl Chloride material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Important attributes of APEX® 80853-B are:
RoHS Compliant
Chemical Resistant
Flame Retardant
Typical application of APEX® 80853-B: Wire & Cable

General Information			
Features	Flame Retardant		
	Oil Resistant		
Uses	Insulation		
	Wire & Cable Applications		
Wire Types	TFFN		
	THHN		
	THW		
	THWN		
	TW		
Agency Ratings	UL 1063		
	UL 1581		
	UL 62		
	UL 83		
RoHS Compliance	RoHS Compliant		
Appearance	Opaque		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	21.4	MPa	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	105	°C	ASTM D794
Brittleness Temperature	-20.0	°C	ASTM D746

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.8E+13	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	4.44		
1 MHz	2.96		
Dissipation Factor			ASTM D150
1 kHz	0.080		
1 MHz	0.19		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863

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Recommended distributors for this material

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