



APEX® 80853-B

Teknor Apex Company - Flexible Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
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		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.31		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3100	psi	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C, 10 sec)	75		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	221	°F	ASTM D794
Brittleness Temperature	-4.00	°F	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

Notes

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