



APEX® 84854

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	• High Heat Resistance	
Uses	• Insulation		
Wire Types	• SJT	• ST	• SVT
Agency Ratings	• UL 62		
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)	3080	psi	ASTM D638
Tensile Elongation (Break)	290	%	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	-0.400	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	4.7E+14	ohms·cm	ASTM D257
Dielectric Constant			ASTM D150
1 kHz	4.10		
1 MHz	3.29		
Dissipation Factor			ASTM D150
1 kHz	0.087		
1 MHz	0.062		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	31	%	ASTM D2863

Notes

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