



APEX® 124

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	• Sunlight Resistant (720 hours) • UV Resistant		
Uses	• Flexible Cord Jacketing • Military Cable Jacketing • Irrigation Cable Jacketing • Wire & Cable Applications		
Wire Types	• SJTW	• SRDT	• STW
Agency Ratings	• MIL C-17-D Type I	• MIL C-2194-D	• UL QMTT2
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.39		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2300	psi	ASTM D638
Tensile Elongation (Break)	330	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	176	°F	ASTM D794
Brittleness Temperature	-36.4	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.9E+10	ohms·cm	ASTM D991
Dielectric Constant			ASTM D150
1 kHz	5.84		
1 MHz	3.72		
Dissipation Factor			ASTM D150
1 kHz	0.083		
1 MHz	0.079		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	23	%	ASTM D2863

Additional Information

UL Recognized Component as PVC 300 Hour Sunlight Resistant Jacket Compound, QMTT2.
 UL Recognized Component as PVC 720 Hour Sunlight Resistant Insulation and Jacket Compounds, QMTT2.
 UL Recognized Component as Irrigation Cable Jacket Compound, QMTT2.
 Temperature Rating: 80 °C
 UL Sunlight Resistance Recognition: 720 hr
 Ultimate Elongation Retained, UL 1581, ASTM #2 Oil, 4 hr, 70°C: 80 %
 Tensile Strength Retained, UL 1581, ASTM #2 Oil, 4 hr, 70°C: 94 %

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	355	°F