

Axial PVC 13820

Flexible Polyvinyl Chloride

Axial Corporation

Message:

Non-lead stabilized, sunlight resistant insulation compound recommended for TW and 75C Class 43 applications. Good low temperature performance. Also suitable for outdoor jacket applications.

General Information			
Features	Good UV Resistance		
	Sunlight Resistant (720 hours)		
Uses	Cable Jacketing		
Wire Types	TW		
Agency Ratings	UL Type TW		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39 to 1.43	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	79 to 85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	15.9	MPa	
100% Strain	8.79	MPa	
Tensile Elongation (Break)	350	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Retention of Tensile Elongation - Air Aging, 10 days (100°C, 762.0 µm)	80	%	UL 1581
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-30.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	6.5E+14	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	25	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Melt Temperature	177	°C	

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