

Axial PVC 17890

Flexible Polyvinyl Chloride

Axial Corporation

Message:

Non-lead stabilized insulation compound recommended for THW and 90C Class 43 applications

General Information			
Uses	Insulation		
Wire Types	THW		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30 to 1.34	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	86 to 92		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	18.3	MPa	
100% Strain	11.0	MPa	
Tensile Elongation (Break)	340	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Retention of Tensile Elongation			UL 1581
Air Aging, 168 hr : 113°C, 30.0 μm ¹	80	%	
Oil Aging, 96 hr : 100°C, 30.0 μm ²	78	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-28.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.5E+15	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	28	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Melt Temperature	188	°C	
NOTE			
1.	Slab		
2.	Insulation		

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