

Axial PVC 19900

Flexible Polyvinyl Chloride

Axial Corporation

Message:

105 C; VW-1 non-lead stabilized insulation with good flexibility. Ideally suited for 1/64 wall (18 AWG and larger). UL approved for TW, THW, THHW applications.

General Information			
Features	Good Flexibility		
Wire Types	THHW		
	THW		
	TW		
	VW-1		
Agency Ratings	UL Type THHW		
	UL Type THW		
	UL Type TW		
	UL VW-1		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	91		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	16.9	MPa	
100% Strain	12.4	MPa	
Tensile Elongation (Break)	330	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Retention of Tensile Elongation			UL 1581
100°C, 762.0 µm ¹	86	%	
Air Aging, 7 days : 136°C, 762.0 µm	80	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-24.0	°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
NOTE			
1.	Oil Aging, 96 hr		

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