

Axial PVC 19901

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.

UL Recognized Component for TW, THW, THHW. VW-1 rated

General Information			
Additive	Unspecified Stabilizer		
Features	Good Flexibility		
	Low (to None) Lead Content		
Uses	Wire & Cable Applications		
Wire Types	THHW		
	THW		
	TW		
	VW-1		
Processing Method	Wire & Cable Extrusion		
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, 3 sec)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant	12.4	MPa	ASTM D638
Tensile Strength	16.9	MPa	ASTM D638
Tensile Elongation (Break)	330	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation in Air ¹ (136°C, 168 hr)	-20	%	UL 1581
Change in Ultimate Elongation (100°C, 96 hr, in Oil)	-14	%	UL 1581
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-24.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity ² (23°C)	1.5E+15	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-1		UL 94
Oxygen Index	28	%	ASTM D2863
Extrusion	Nominal Value	Unit	

Melt Temperature	185	°C
NOTE		
1.	30 mil slabs	
2.	50% RH	

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Recommended distributors for this material

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