

Axiall PVC 19482

Flexible Polyvinyl Chloride

Axiall Corporation

Message:

105 C; VW-1 non-lead stabilized insulation compound. Ideally suited for 18 AWG, 1/64 wall. UL approved for TW, THW, THHW applications.

General Information			
Uses	Insulation		
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	1.34	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	48		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	19.3	MPa	
100% Strain	1.38	MPa	
Tensile Elongation (Break)	310	%	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	-22.0	°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	29	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Melt Temperature	191	°C	
NOTE			

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