

# Axial PVC 19461

Flexible Polyvinyl Chloride

Axial Corporation

Message:

105C rated non-lead stabilized insulation recommended for THHN-THWN in circuit sizes and THWN-2 in 8 AWG and larger. UL recognized suitable for Oil II and 720 hour sunlight resistance.

General Information			
Features	Sunlight Resistant (720 hours)		
Uses	Wire & Cable Applications		
Wire Types	THHN		
	THWN		
	THWN-2		
Agency Ratings	UL II Oil Rating		
	UL VW-1		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30 to 1.34	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	43 to 49		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	24.1	MPa	
100% Strain	16.2	MPa	
Tensile Elongation (Break)	330	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation in Air <sup>1</sup> (136°C, 168 hr)	-13	%	UL 1581
Change in Ultimate Elongation <sup>2</sup> (100°C, 96 hr, in Oil)	-18	%	UL 1581
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-18.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	31	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Melt Temperature	188	°C	
NOTE			
1.	30 mil slab		
2.	30 mil slab		

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