

# Axial PVC 19855

Flexible Polyvinyl Chloride

Axial Corporation

## Message:

Non-lead stabilized, oil resistant, VW-1 rated, 105C insulation compound. Recognized by UL for THW applications.

General Information			
Features	Oil Resistant		
Uses	Insulation		
Wire Types	THW		
	TW		
Agency Ratings	UL I Oil Rating		
	UL VW-1		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32 to 1.36	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	82 to 88		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	16.9	MPa	
100% Strain	12.2	MPa	
Tensile Elongation (Break)	320	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Retention of Tensile Elongation			UL 1581
Air Aging, 168 hr : 113°C, 30.0 µm <sup>1</sup>	80	%	
Oil Aging, 96 hr : 100°C, 30.0 µm <sup>2</sup>	91	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-25.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Melt Temperature	177	°C	
NOTE			
1.	Slab		
2.	Insulation		

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