

## Manner Flexible PVC V899

Manner Polymers - Flexible Polyvinyl Chloride

### General Information

#### Product Description

Recommended Applications: 90°C Insulation and Jacketing Compound. Meets UL TW, THW, VW1, Oil Res I and 720 hr sunlight resistance. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

#### General

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Sunlight Resistant (720 hours)		
Uses	• Cable Jacketing	• Insulation	• Wire & Cable Applications
Agency Ratings	• UL I Oil Rating	• UL Type TW	
	• UL Type THW	• UL VW-1	

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30 to 1.34		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant	1400	psi	ASTM D638
Tensile Strength	2700	psi	ASTM D638
Tensile Elongation (Break)	330	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	82 to 88		
Shore A, 15 sec	76 to 82		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-14.8	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air <sup>2</sup> (250°F, 168 hr)	5.0	%	UL Unspecified
Change in Ultimate Elongation in Air <sup>2</sup> (250°F, 168 hr)	12	%	UL Unspecified
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	25	%	ASTM D2863

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Air Aged Retention

