

## Manner Flexible PVC V859

Manner Polymers - Flexible Polyvinyl Chloride

### General Information

#### Product Description

Recommended Applications: 90°C TW, THW Insulation Compound. Can also be used as Tray Cable Jacket. UL recognized for 720 hours sunlight resistance in all colors, VW1, Oil Res I & II. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

#### General

Material Status	• Commercial: Active
Availability	• North America
Features	• Good Flexibility • Oil Resistant • Sunlight Resistant (720 hours)
Agency Ratings	• UL QMTT2 • UL Type THW • UL Type TW
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34 to 1.38		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 0.0300 in)	1590	psi	ASTM D638
Tensile Strength (Yield, 0.0300 in)	2850	psi	ASTM D638
Tensile Elongation (Break, 0.0300 in)	330	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	88 to 94		
Shore A, 15 sec	85 to 91		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-7.60	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air			UL 1581
212°F, 240 hr	4.0	%	
250°F, 168 hr	4.0	%	
Change in Ultimate Elongation in Air			UL 1581
212°F, 240 hr	3.0	%	
250°F, 168 hr	-12	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	ASTM D2863

### Notes

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

