

## Manner Flexible PVC V916

Manner Polymers - Flexible Polyvinyl Chloride

### General Information

#### Product Description

Recommended Applications: 105° rated general purpose insulation compound designed to meet the requirements of MIL-W-16878D. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

#### General

Material Status	• Commercial: Active
Availability	• North America
Uses	• General Purpose      • Insulation
Agency Ratings	• MIL W-16878D

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.32 to 1.36		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant <sup>2</sup>	2200	psi	ASTM D638
Tensile Strength <sup>2</sup>	3300	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore C)	81 to 87		ASTM D2240
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>3</sup> (277°F, 168 hr)	4.0	%	UL Unspecified
Change in Ultimate Elongation in Air <sup>3</sup> (277°F, 168 hr)	-5.0	%	UL Unspecified
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863

### Notes

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

<sup>2</sup> Unaged Dumbbell: .03 inch

<sup>3</sup> Air Aged: .03 inch

