

## Manner Flexible PVC V849

Manner Polymers - Flexible Polyvinyl Chloride

### General Information

#### Product Description

Recommended Applications: 60°C Lead-free Insulation Compound. V849 is recognized by UL under the QMTT2 program as TW with VW-1 , Oil Resistance I and 720 hour sunlight resistance ratings. 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
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.33 to 1.37		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2600	psi	ASTM D638
Tensile Elongation (Break)	310	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	82 to 88		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 (212°F, 168 hr)	0.0	%	UL 1581
Change in Ultimate Elongation in Air (212°F, 168 hr)	-10	%	UL 1581
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	26	%	ASTM D2863

### Notes

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

