

Manner Flexible PVC V847

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Recommended Applications: Lead-free UL 105°C THHN/THWN/THWN-2 insulation compound. Manner V847 is UL QMTT2 recognized for THWN on all wire sizes and THWN-2 on 8AWG and larger wire sizes. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Good Flexibility
Agency Ratings	<ul style="list-style-type: none"> • UL QMTT2 • UL Type THW • UL Type THHW • UL Type THWN • UL Type TW
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.29 to 1.33		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 0.0300 in)	2500	psi	ASTM D638
Tensile Strength (Yield, 0.0300 in)	3750	psi	ASTM D638
Tensile Elongation (Break, 0.0300 in)	280	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore C	77 to 83		
Shore C, 10 sec	65 to 71		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	5.00	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (277°F, 168 hr)	-4.0	%	UL Unspecified
Change in Ultimate Elongation in Air (277°F, 168 hr)	-5.0	%	UL Unspecified
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	ASTM D2863

Notes

¹ Typical properties: these are not to be construed as specifications.

