

Manner Flexible PVC V900

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Recommended Applications: 105°C TW/THW/THHW insulation compound. Manner V900 is UL QMTT2 recognized and rated VW1, sunlight and oil resistance 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
Agency Ratings	• UL QMTT2 • UL Type THW • UL Type THHW • UL Type TW
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.31 to 1.35		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 0.0300 in)	2100	psi	ASTM D638
Tensile Strength (Yield, 0.0300 in)	3100	psi	ASTM D638
Tensile Elongation (Break, 0.0300 in)	340	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	77 to 83		
Shore A, 10 sec	88 to 94		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	3.20	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (277°F, 168 hr)	-1.0	%	UL 1581
Change in Ultimate Elongation in Air (277°F, 168 hr)	-10	%	UL 1581
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.4E+15	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	28	%	ASTM D2863

