

Manner Flexible PVC V909

Flexible Polyvinyl Chloride

Manner Plastics, L.P.

Message:

Recommended Applications: 105°C insulation compound designed for THW-LS with low acid gas. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

General Information			
Uses	Wire and cable applications		
	Insulating material		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45 - 1.49	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw D	49 - 55		ASTM D2240
Shaw D, 10 seconds	41 - 47		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant ¹	10.5	MPa	ASTM D638
Tensile Strength ²	14.5	MPa	ASTM D638
Tensile Elongation ³ (Break)	230	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ⁴ (136°C, 168 hr)	6.0	%	UL 1581
Change in Ultimate Elongation in Air ⁵ (136°C, 168 hr)	-18	%	UL 1581
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-17.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.2E+14	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	ASTM D2863
NOTE			
1.	Unaged Dumbbell: .03 inch		
2.	Unaged Dumbbell: .03 inch		
3.	Unaged Dumbbell: .03 inch		
4.	Air Aged Retention		
5.	Air Aged Retention		

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