

Manner Flexible PVC V976

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Recommended Applications: 105°C THHW LS, THW LS compound with low acid Gas. Designed to meet NMX requirements. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

General

Material Status	• Commercial: Active
Availability	• North America
Uses	• Wire & Cable Applications
Agency Ratings	• UL Type THHW LS • UL Type THW LS

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.46 to 1.50		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant ²	1700	psi	ASTM D638
Tensile Strength ²	2500	psi	ASTM D638
Tensile Elongation ² (Break)	290	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D	59 to 65		
Shore D, 15 sec	44 to 50		
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ³ (277°F, 168 hr)	-3.0	%	UL 1581
Change in Ultimate Elongation in Air ³ (277°F, 168 hr)	-10	%	UL 1581
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	5.8E+15	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	31	%	ASTM D2863
NBS Smoke Density			
D4	67.0		ASTM D662
Dmax	355		ASTM D662
VoF4	64.0		ASTM D622

Notes

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

² Unaged Dumbbells: .03 inch

³ Air Retention: .03 inch

