

Manner Flexible PVC V964A

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Recommended Applications: 105°C Battery Wire Insulation Compound designed to meet UL Subject 2726. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

General

Material Status	• Commercial: Active
Availability	• North America
Uses	• Insulation • Wire & Cable Applications
Agency Ratings	• UL Subject 2726

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.35 to 1.39		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant ²	1200	psi	ASTM D638
Tensile Strength ²	2100	psi	ASTM D638
Tensile Elongation ² (Break)	380	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	83 to 89		
Shore A, 15 sec	75 to 81		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-72.4	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ³ (277°F, 168 hr)	-8.0	%	
Change in Ultimate Elongation in Air ³ (277°F, 168 hr)	-1.0	%	

Notes

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

² Unaged Dumbbells: .06 inch

³ Air Retention: .06 inch, Oven Aged

