

Manner Flexible PVC V964

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Recommended Applications: 90°C Battery 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	1.36 to 1.40		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant ²	1300	psi	ASTM D638
Tensile Strength ²	2290	psi	ASTM D638
Tensile Elongation ² (Break)	380	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	87 to 93		
Shore A, 15 sec	82 to 88		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-40.0	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ³ (250°F, 168 hr)	3.0	%	
Change in Ultimate Elongation in Air ³ (250°F, 168 hr)	-1.0	%	

Notes

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

² Unaged Dumbbells: .075 inch

³ Air Retention: .075 inch, Oven Aged

