

Manner Flexible PVC V861

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Recommended Applications: Lead-free 90°C insulation compound suitable for SAE J1128 requirements. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Low (to None) Lead Content
Uses	• Insulation
Automotive Specifications	• SAE J1128

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34 to 1.38		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant ²	1640	psi	ASTM D638
Tensile Strength ²	2950	psi	ASTM D638
Tensile Elongation ² (Break)	300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	80 to 86		
Shore A, 15 sec	74 to 80		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-23.8	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ³ (250°F, 168 hr)	3.0	%	UL 1581
Change in Ultimate Elongation in Air ³ (250°F, 168 hr)	-1.0	%	UL 1581

Notes

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

² Unaged Dumbbell: .03 inch

³ Air Aged Retention

