

Manner Flexible PVC V971

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Recommended Applications: Lead-free 75°C jacket compound with excellent low temperature properties. 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	• Cable Jacketing • Wire & Cable Applications

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	1300	psi	ASTM D638
Tensile Strength ²	2400	psi	ASTM D638
Tensile Elongation ² (Break)	300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	83 to 89		
Shore A, 15 sec	77 to 83		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-54.4	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ³ (212°F, 240 hr)	10	%	UL Unspecified
Change in Ultimate Elongation in Air ³ (212°F, 240 hr)	-7.0	%	UL Unspecified
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	31	%	ASTM D2863

Notes

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

² Unaged Dumbbells: .03 inch

³ Air Retention: .03 inch

