

Manner Flexible PVC V971

Flexible Polyvinyl Chloride

Manner Plastics, L.P.

Message:

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 Information			
Features	Low (to None) Lead Content		
Uses	Cable Jacketing		
	Wire & Cable Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35 to 1.39	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	83 to 89		
Shore A, 15 sec	77 to 83		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant ¹	8.96	MPa	ASTM D638
Tensile Strength ²	16.5	MPa	ASTM D638
Tensile Elongation ³ (Break)	300	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ⁴ (100°C, 240 hr)	10	%	UL Unspecified
Change in Ultimate Elongation in Air ⁵ (100°C, 240 hr)	-7.0	%	UL Unspecified
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-48.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	31	%	ASTM D2863
NOTE			
1.	Unaged Dumbbells: .03 inch		
2.	Unaged Dumbbells: .03 inch		
3.	Unaged Dumbbells: .03 inch		
4.	Air Retention: .03 inch		
5.	Air Retention: .03 inch		

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