

Manner Flexible PVC 6954

Flexible Polyvinyl Chloride

Manner Plastics, L.P.

Message:

Recommended Applications: 105°C TW/THHW/THHN/THWN/THWN-2 insulation compound. Manner 6954 is UL QMTT2 recognized for THWN-2 on all wire sizes. Compound 6954 meets VW-1, Oil Res I in all colors. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

General Information			
Uses	Insulation		
	Wire & Cable Applications		
Agency Ratings	UL QMTT2		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29 to 1.33	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore C	77 to 83		
Shore C, 10 sec	67 to 73		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant ¹	15.2	MPa	ASTM D638
Tensile Strength ²	23.4	MPa	ASTM D638
Tensile Elongation ³ (Break)	350	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ⁴ (136°C, 168 hr)	-4.0	%	UL Unspecified
Change in Ultimate Elongation in Air ⁵ (136°C, 168 hr)	-5.0	%	UL Unspecified
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-15.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+18	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863
NOTE			
1.	Unaged Dumbbells		
2.	Unaged Dumbbells		
3.	Unaged Dumbbells		
4.	.03 Inch		
5.	.03 Inch		

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Recommended distributors for this material

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