

# Manner Flexible PVC V859

Flexible Polyvinyl Chloride

Manner Plastics, L.P.

## Message:

Recommended Applications: 90°C TW,THW Insulation Compound. Can also be used as Tray Cable Jacket. UL recognized for 720 hours sunlight resistance in all colors, VW1, Oil Res I & II. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

General Information			
Features	Good Flexibility		
	Oil Resistant		
	Sunlight Resistant (720 hours)		
Agency Ratings	UL QMTT2		
	UL Type THW		
	UL Type TW		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34 to 1.38	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	88 to 94		
Shore A, 15 sec	85 to 91		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 0.762 mm)	11.0	MPa	ASTM D638
Tensile Strength (Yield, 0.762 mm)	19.7	MPa	ASTM D638
Tensile Elongation (Break, 0.762 mm)	330	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air			UL 1581
100°C, 240 hr	4.0	%	
121°C, 168 hr	4.0	%	
Change in Ultimate Elongation in Air			UL 1581
100°C, 240 hr	3.0	%	
121°C, 168 hr	-12	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-22.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	ASTM D2863

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Recommended distributors for this material

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