

Manner Flexible PVC V868

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Whether you need a flexible PVC or semi-rigid PVC for your wire and cable application, Manner Plastics has a material to meet your needs. We offer insulation and jacketing compounds in all standard operating ranges. The newest addition to our wire & cable family of materials is a compound which UL recognized for THWN-2 applications.

Our materials are used in a variety of applications including appliance, automotive, building, utility, and telecommunications.

The table below shows some of our most popular compounds, but is not a comprehensive view of the Manner Plastics product portfolio. If you do not see a compound offering the performance your application requires, please contact us. We may already have a custom formulation that meets your needs.

All Manner Plastics materials are RoHS compliant. Following is a representative sampling of our wire and cable compounds.

General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Features	<ul style="list-style-type: none"> Good Flexibility
Uses	<ul style="list-style-type: none"> Cable Jacketing
Agency Ratings	<ul style="list-style-type: none"> UL CL2
RoHS Compliance	<ul style="list-style-type: none"> RoHS Compliant
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Extrusion

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.37		ASTM D792
Elastomers			
Tensile Strength (Yield)	2430	psi	ASTM D638
Tensile Elongation (Break)	310	%	ASTM D638
Hardness			
Durometer Hardness (Shore A)	80		ASTM D2240
Thermal			
Brittleness Temperature	-22.0	°F	ASTM D746
Aging			
Change in Ultimate Elongation in Air (212°F, 168 hr)	-7.0	%	
Flammability			
Oxygen Index	31	%	ASTM D2863
Additional Information			
Operating Temperature	176	°F	

Notes

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

