

Manner Flexible PVC V836

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	• Commercial: Active
Availability	• North America
Features	• Good Flexibility
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.40		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2790	psi	ASTM D638
Tensile Elongation (Break)	470	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-11.2	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation in Air (212°F, 168 hr)	-7.0	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	28	%	ASTM D2863
Additional Information	Nominal Value	Unit	Test Method
Operating Temperature	176	°F	

Notes

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

