

# Manner Flexible PVC M1280

Flexible Polyvinyl Chloride

Manner Plastics, L.P.

## Message:

The needs and requirements of the injection molding industry are unique. When choosing a material for an application, several considerations come into play from the end-use application, to how a material flows, to secondary operations.

Manner Plastics can recommend a flexible PVC material to meet the demands of your application. We serve several industries with injection molding applications including footwear, electrical/electronics, and various consumer products.

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 the compounds listed below are UL recognized under UL 94, QMFZ2, and QMFZ8.

All Manner Plastic compounds are RoHS compliant.

General Information			
UL YellowCard	E107449-218515		
Uses	Consumer Applications		
	Electrical/Electronic Applications		
	Footwear		
Agency Ratings	UL 94		
	UL QMFZ2		
	UL QMFZ8		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38 to 1.42	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	77 to 83		
Shore A, 15 sec	72 to 78		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	6.07	MPa	ASTM D638
Tensile Strength (Yield)	10.6	MPa	ASTM D638
Tensile Elongation (Break)	310	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-26.0	°C	ASTM D746

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