Manner Flexible PVC M1390

Manner Polymers - *Flexible Polyvinyl Chloride*

General Information

Product Description

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			
Material Status	• Commercial: Active		
Availability	• North America		
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		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.43 to 1.47		ASTM D792
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain, 0.0600 in)	1880	psi	ASTM D638
Tensile Strength (Yield, 0.0600 in)	2090	psi	ASTM D638
Tensile Elongation (Break, 0.0600 in)	170	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore C)	87 to 93		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	35.6	°F	ASTM D746

Notes

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