

Manner Flexible PVC M1485

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 | E107449-542554 | | |
| 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 | 1.39 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 85 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress (100% Strain) | 8.86 | MPa | ASTM D638 |
| Tensile Strength (Yield) | 16.7 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 350 | % | ASTM D638 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating | V-2 | | UL 94 |

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Recommended distributors for this material

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