

## Manner Flexible PVC V738

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 • Sunlight Resistant (720 hours) |
| Uses              | • Wire & Cable Applications                         |
| Agency Ratings    | • UL QMTT2                                          |
| RoHS Compliance   | • RoHS Compliant                                    |
| Forms             | • Pellets                                           |
| Processing Method | • Extrusion                                         |

### Properties <sup>1</sup>

| Physical                                             | Nominal Value | Unit | Test Method |
|------------------------------------------------------|---------------|------|-------------|
| Density / Specific Gravity                           | 1.44          |      | ASTM D792   |
| Elastomers                                           | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield)                             | 2310          | psi  | ASTM D638   |
| Tensile Elongation (Break)                           | 310           | %    | ASTM D638   |
| Hardness                                             | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A)                         | 81            |      | ASTM D2240  |
| Thermal                                              | Nominal Value | Unit | Test Method |
| Brittleness Temperature                              | -9.40         | °F   | ASTM D746   |
| Aging                                                | Nominal Value | Unit | Test Method |
| Change in Ultimate Elongation in Air (212°F, 240 hr) | 0.0           | %    |             |
| Flammability                                         | Nominal Value | Unit | Test Method |
| Oxygen Index                                         | 23            | %    | ASTM D2863  |
| Additional Information                               | Nominal Value | Unit | Test Method |
| Operating Temperature                                | 140           | °F   |             |

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

