

## Manner Flexible PVC V860

Manner Polymers - Flexible Polyvinyl Chloride

### General Information

#### Product Description

Recommended Applications: Lead-free 105°C insulation compound suitable for SAE J1127 requirements. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

#### General

|                           |  |
|---------------------------|--|
| Material Status           | <ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>         |
| Availability              | <ul style="list-style-type: none"> <li>North America</li> </ul>              |
| Features                  | <ul style="list-style-type: none"> <li>Low (to None) Lead Content</li> </ul> |
| Uses                      | <ul style="list-style-type: none"> <li>Insulation</li> </ul>                 |
| Automotive Specifications | <ul style="list-style-type: none"> <li>SAE J1128</li> </ul>                  |

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

| Physical  | Nominal Value | Unit | Test Method |
|---|---------------|------|-------------|
| Density / Specific Gravity  | 1.32 to 1.36  |      | ASTM D792   |
| Mechanical  | Nominal Value | Unit | Test Method |
| Tensile Modulus - 100% Secant <sup>2</sup>                        | 1260          | psi  | ASTM D638   |
| Tensile Strength <sup>2</sup>                                     | 2510          | psi  | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Break)                           | 340           | %    | ASTM D638   |
| Hardness  | Nominal Value | Unit | Test Method |
| Durometer Hardness  |               |      | ASTM D2240  |
| Shore A   | 82 to 88      |      |             |
| Shore A, 15 sec   | 76 to 82      |      |             |
| Thermal   | Nominal Value | Unit | Test Method |
| Brittleness Temperature   | -22.0         | °F   | ASTM D746   |
| Aging   | Nominal Value | Unit | Test Method |
| Change in Tensile Strength in Air <sup>3</sup> (277°F, 168 hr)    | 6.0           | %    | UL 1581     |
| Change in Ultimate Elongation in Air <sup>3</sup> (277°F, 168 hr) | 4.0           | %    | UL 1581     |

### Notes

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

<sup>2</sup> Unaged Dumbbell: .03 inch

<sup>3</sup> Air Aged Retention

