### Description

PR-1564 is a low viscosity, medium hardness potting and molding compound. It has a service temperature range from -80°F (-62°C) to 275°F (135°C). This material is designed for applications where extra flexibility and resistance to cold flow are required.

PR-1564 is a two-part, chemically curing polyurethane compound. It cures at room temperature to a flexible cold flow-resistant rubber.

The following tests are in accordance with PRC-DeSoto International and MIL-S-8516 specification test methods.

### Application Properties (Typical)

<table>
<thead>
<tr>
<th>Color</th>
<th>Part A</th>
<th>Light straw or Black</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Part B</td>
<td>Colorless</td>
</tr>
<tr>
<td>Mixed</td>
<td>Part A:Part B</td>
<td>7.7:100</td>
</tr>
<tr>
<td>Base viscosity</td>
<td>(Brookfield #5 @ 10 rpm), Poise (Pa-s)</td>
<td>90 (9)</td>
</tr>
<tr>
<td>Application life to 2500 poise (250 Pa-s) @ 75°F (24°C), hrs</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

#### Performance Properties (Typical)

<table>
<thead>
<tr>
<th></th>
<th>Peel strength, pli (N/25 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Aluminum alloy*</td>
</tr>
<tr>
<td></td>
<td>Cadmium plate*</td>
</tr>
<tr>
<td></td>
<td>Neoprene**</td>
</tr>
<tr>
<td></td>
<td>Polyvinyl chloride***</td>
</tr>
</tbody>
</table>

*Primed with PR-420 Primer
**Buffed and primed with PR-1523-M Adhesion promoter
***Tackified with methyl ethyl ketone (MEK) and primed with PR-1543 Adhesion promoter

#### Dielectric constant

- 1 KHz @ 75°F (24°C) | 7.0
- 1 MHz @ 75°F (24°C) | 4.3

#### Power factor

- 1 KHz @ 75°F (24°C) | 0.10
- 1 MHz @ 75°F (24°C) | 0.08

#### Volume resistivity, ohm-cm

- @ 75°F (24°C) | 1 X 10\(^{12}\)
- @ 150°F (66°C) | 5 X 10\(^9\)
- @ 250°F (121°C) | 4 X 10\(^8\)

#### Surface resistivity, ohms

- @ 75°F (24°C) | 3 X 10\(^{13}\)
- @ 150°F (66°C) | 2 X 10\(^{11}\)
- @ 300°F (121°C) | 1 X 10\(^{10}\)

#### Insulation resistance, megohms

- @ 75°F (24°C) | 250,000
- @ 150°F (66°C) | 1,000
- @ 250°F (121°C) | 100

#### Dielectric strength, volts/mil

- 125 mils | 335

### Note:
The application and performance property values above are typical for the material, but not intended for use in specifications or for acceptance inspection criteria because of variations in testing methods, conditions and configurations.

### Surface Preparation

Prepare surfaces according to the PR-1500 Series Potting/Molding Application Guide.

### Packing Options

PR-1564 is supplied as a two-part unit or premixed and frozen Semco® cartridges.

### Mixing Instructions

Mix according to the PR-1500 Series Potting/Molding Application Guide.
Storage Life
The storage life of PR-1564 in a two-part unit is at least 12 months when stored at temperatures below 80°F (27°C) in original, unopened containers. The storage life of PR-1564 in premixed and frozen Semco® cartridges is at least 21 days when stored at temperatures below -40°F (-40°C) in original, unopened containers.

Health Precautions
This product is safe to use and apply when recommended precautions are followed. Before using this product, read and understand the Material Safety Data Sheet (MSDS), which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An MSDS is available on request. Avoid overexposure. Obtain medical care in case of extreme overexposure.

For industrial use only. Keep away from children.

Additional information can be found at:
www.ppgaerospace.com

For sales and ordering information call 1-800-AEROMIX (237-6649).