Testing Procedure: Performed on a Tinius Olsen 5000 Tensile Tester. The anvil arm that pushed and pulled each part traveled at a constant rate of 2.5 inches/minute. Tests performed at room temperature. Each test value represents the average of 20 pieces. Parts are dry as molded.

Note: The stated performance values represent typical values only. They are designed as a guideline for end users and are not specification values. Values stated will vary depending on the hole diameter, panel thickness, temperature, material and application. Users should conduct their own tests under specific actual conditions to determine the suitability of the fastener for a specific application.

<table>
<thead>
<tr>
<th>Panel Type</th>
<th>Push-In</th>
<th>Pull-Out</th>
<th>Shear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal Panels</td>
<td>11.0 lbs</td>
<td>58.0 lbs</td>
<td>68.0 lbs</td>
</tr>
<tr>
<td>Plastic Panels</td>
<td>10.0 lbs</td>
<td>58.0 lbs</td>
<td>68.0 lbs</td>
</tr>
</tbody>
</table>

Click Here for Pull-Out Testing Before/After Wave Soldering

R-TITE RIVET PULL-APART TESTING

Part Numbers: P69-0500-02 and P69-0500-02


Pull Apart Speed: 2.51 ipm
Average Pull-Apart Force: 80.22 lbs.

Appendix

- Plastic Properties Chart
- Panel Fasteners / Plastic Rivets, Push-In and Pull-Out Testing
- Wave Solder Test & Results for Micro-Tufloks and Plasti-Rivets
- Micro-Tuflok Pull-Out Testing Before/After Wave Soldering
- Screw Grommets
- Adhesive Foam Tape, Specifications, Application Techniques and General Guidelines
- PVC and Urethane Bumper Adhesive Specifications

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