Thread Sealing

- Replaces tapes and pastes
- Liquids ensure complete contact between threads for a 100% seal
- Liquids will not creep, shrink, shred or block systems (including filters)
- Disassembly can be achieved easily with basic hand tools

### ARE THE PARTS METAL OR PLASTIC?

<table>
<thead>
<tr>
<th>Material</th>
<th>Plastic</th>
<th>Metal</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Yes</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>No</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Additional Loctite® Brand Thread Sealants

<table>
<thead>
<tr>
<th>Type</th>
<th>Item No</th>
<th>Description</th>
<th>Substrate to Be Sealed</th>
<th>Maximum Pressure Resistance (psi)</th>
<th>Cure Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loctite® 545™ Thread Sealant</td>
<td>28754</td>
<td>White Paste for fine threads up to 3&quot;</td>
<td>Plastic</td>
<td>400°F (204°C)</td>
<td>10,000 psi/24 hrs.</td>
</tr>
<tr>
<td>Loctite® 565™ Thread Sealant</td>
<td>29082</td>
<td>Purple Liquid for fine threads up to 3&quot;</td>
<td>Metal</td>
<td>300°F (150°C)</td>
<td>10,000 psi/24 hrs.</td>
</tr>
<tr>
<td>Loctite® Thread Sealant for Oxygen Compatible Systems</td>
<td>54521</td>
<td>Off-White Paste for fine threads up to 3&quot;</td>
<td>Metal</td>
<td>530°F (277°C)</td>
<td>10,000 psi/72 hrs.</td>
</tr>
<tr>
<td>Loctite® H.A.C. Blue Pipe Joint Compound</td>
<td>58101</td>
<td>White Stick with PTFE for fine threads up to 3&quot;</td>
<td>Stainless Steel, Aluminum</td>
<td>400°F (204°C)</td>
<td>10,000 psi/72 hrs.</td>
</tr>
<tr>
<td>Loctite® Pipe Joint Compound</td>
<td>57701</td>
<td>White Stick with PTFE for fine threads up to 2&quot;</td>
<td>Aluminum</td>
<td>300°F (150°C)</td>
<td>10,000 psi/72 hrs.</td>
</tr>
<tr>
<td>Loctite® Thread Sealant with PTFE</td>
<td>130376-00</td>
<td>White Stick with PTFE for fine threads up to 2&quot;</td>
<td>Steel, Stainless Steel, Aluminum</td>
<td>400°F (204°C)</td>
<td>10,000 psi/72 hrs.</td>
</tr>
<tr>
<td>Loctite® Heat Seal &amp; Water Jacket Sealant</td>
<td>119214-00</td>
<td>White Stick with PTFE for fine threads up to 4&quot;</td>
<td>Stainless Steel, Aluminum</td>
<td>530°F (277°C)</td>
<td>10,000 psi/24 hrs.</td>
</tr>
<tr>
<td>Loctite® 561™ Pipe Sealant Stick with PTFE</td>
<td>57701</td>
<td>White Stick with PTFE for fine threads up to 2&quot;</td>
<td>Metal</td>
<td>400°F (204°C)</td>
<td>10,000 psi/72 hrs.</td>
</tr>
</tbody>
</table>

### Helpful Hints:
- If the sealant (Loctite® 545™ Thread Sealant, Loctite® 565™ Thread Sealant, Loctite® 567™ Thread Sealant, or Loctite® 561™ Pipe Sealant Stick) will be applied below 40°F (4°C), pre-treat with Loctite® 7649™ Primer N or Loctite® 7088™ Primer Stick.
- All parts must be clean and dry before sealing – use Loctite® ODC-Free Cleaner & Degreaser.
- See page 8 for information on when a primer is required.

### Solution

#### Loctite® No More Leaks®
- Recommended for use on threaded plastic fittings carrying hot or cold water, i.e., industrial and agricultural plastic water pipe systems, or drainage systems.
- CFIA Approved.

#### Loctite® 5452™ Thread Sealant
- Recommended for fine threaded fittings as used in hydraulic and pneumatic installations and small fittings in general. Fast curing, primerless, gel formula. Contains no fillers.

#### Loctite® 5770™ Thread Sealant
- Designed to seal threaded pipe fittings in applications requiring continuous heat resistance up to 530°F (277°C). Ideal for applications in pressurized steam lines and boiler rooms.

#### Loctite® 565™ Thread Sealant
- A general-purpose instant sealer for tapered and straight/tapered fittings. Controlled strength for ease of disassembly. CSA 3319-01 and 3319-01, UL M9007/N, NSF/ANSI 61 Certified, UL-Canada Approved. CFIA Approved.

#### Loctite® 567™ Thread Sealant with PTFE
- Withstands temperatures to 400°F (204°C) with excellent solvent resistance. Lacks and seals tapered pipe threads and fittings, including high pressure applications. Disassembles with hand tools. Use Loctite® 7649™ Primer N with stainless steel. ABS® Approved.

#### Loctite® 561™ Pipe Sealant Stick with PTFE
- Semisolid stick form is convenient, portable and less messy. Formulated for fast, reliable curing on metal, tapered pipe threads and fittings. Provides high pressure sealing and withstands continuous operating temperatures of -54°C to 300°F (-65°F to 150°C). NSF/ANSI 61 Certified.

### OXYGEN-CARRYING SYSTEMS

<table>
<thead>
<tr>
<th>Description</th>
<th>Material</th>
<th>Substrate to Be Sealed</th>
<th>Maximum Pressure Resistance (psi)</th>
<th>Cure Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loctite® No More Leaks®</td>
<td>Plastic</td>
<td>Metal</td>
<td>10,000 psi/24 hrs.</td>
<td>10,000 psi/24 hrs.</td>
</tr>
<tr>
<td>Loctite® 5452™ Thread Sealant</td>
<td>Plastic</td>
<td>Plastic</td>
<td>10,000 psi/24 hrs.</td>
<td>10,000 psi/24 hrs.</td>
</tr>
<tr>
<td>Loctite® 5770™ Thread Sealant</td>
<td>Plastic</td>
<td>Plastic</td>
<td>10,000 psi/24 hrs.</td>
<td>10,000 psi/24 hrs.</td>
</tr>
<tr>
<td>Loctite® 565™ Thread Sealant with PTFE</td>
<td>Plastic</td>
<td>Stainless Steel, Aluminum</td>
<td>10,000 psi/24 hrs.</td>
<td>10,000 psi/24 hrs.</td>
</tr>
</tbody>
</table>

### CFIA Approved

- Stainless steel.

### ULC-Canada Approved

- ABS® (-54°C to 150°C).

### NSF/ANSI 61 Certified

- Easiest installation and disassembly.

### Additional Information

- Disassembly can be achieved easily with basic hand tools (including filters).
- Liquids will not creep, shrink, shred or block systems (including filters).
- Disassembly can be achieved easily with basic hand tools.
**Gasketing**  
Sealing and Flanges

- No shimming effect – controlled tolerances, no need for re-torquing
- Fill all voids – reduce the need for a fine surface finish of flanges
- Parts can be disassembled easily even after extended service
- Resists high pressure when fully cured

**Interactive PDF**

![Interactive PDF](image)

**Does the existing gasket need to be used as a shim?**

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coat Existing Gasket</td>
<td>Positioning Cut Gaskets</td>
</tr>
</tbody>
</table>

**Solution**

- **Loctite® 518™ Flange Sealant**
  - Formed-in-place
  - 300°F (150°C)
  - 30531
  - Brown
  - 50 ml tube
  - Excellent
  - Moisture (RTV)

- **Loctite® 534™ Hi-Tack Gasket Dressing Stick**
  - Use with cut gasket
  - 30513
  - Orange

- **Loctite® 5203™ Easy-to-Service Flange Sealant**
  - Formed-in-place
  - 300°F (150°C)
  - 30512
  - Brown
  - 1 pt. can
  - Excellent
  - Formed-in-place
  - Moisture (RTV)

- **Loctite® 587™ Blue, High Performance RTV Silicone Gasket Maker**
  - Formed-in-place
  - 30535
  - Pkg. Size
  - Yes

- **Additional Loctite® Brand Gasketing Products**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Color</th>
<th>Item No.</th>
<th>Temp. Resistance (Continuous)</th>
<th>Gap Fill</th>
<th>Cured Method</th>
<th>Cure Time</th>
<th>Instant Seal</th>
<th>Oil Resistance</th>
<th>Water/Oil Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loctite® 518™ Flange Sealant</td>
<td>Black</td>
<td>50846</td>
<td>300°F (150°C)</td>
<td>N/A</td>
<td>Anaerobic</td>
<td>15 min.</td>
<td>Excellent</td>
<td>Excellent</td>
<td>Excellent</td>
</tr>
<tr>
<td>Loctite® 534™ Hi-Tack Gasket Dressing Stick</td>
<td>Orange</td>
<td>24018</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>90 sec.</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Loctite® 5203™ Easy-to-Service Flange Sealant</td>
<td>Black</td>
<td>50847</td>
<td>300°F (150°C)</td>
<td>N/A</td>
<td>Anaerobic</td>
<td>5 min.</td>
<td>Excellent</td>
<td>Excellent</td>
<td>Excellent</td>
</tr>
<tr>
<td>Loctite® 587™ Blue, High Performance RTV Silicone Gasket Maker</td>
<td>Black</td>
<td>50848</td>
<td>400°F (204°C/500°F (260°C))</td>
<td>N/A</td>
<td>Moisture (RTV)</td>
<td>5 min.</td>
<td>Excellent</td>
<td>Excellent</td>
<td>Excellent</td>
</tr>
</tbody>
</table>

**Helpful Hints:**

- All parts must be clean and dry before sealing – use Loctite® DSC-Free Cleaner & Degreaser.
- Anaerobic products cure between metal surfaces (typically cast or machined flanges) with the absence of air.

**Interactive Elements are Clickable!**

- **Spray Loctite®**
  - Gasket Dressing Stick
  - Loctite®
  - Hi-Tack
  - Flex

- **Loctite® 587™ Blue, High Performance RTV Silicone Gasket Maker**
  - Formed-in-place
  - 30535
  - Pkg. Size
  - Yes

- **Loctite® Instant Gasket**
  - Makes high-performance, leakproof gaskets in one minute. Equipment can be returned to service immediately. Blowout resistant. Outperforms precut gaskets. Black in color. CFIA Approved.