Light cure adhesives that maximize design flexibility and minimize production time.

Design the future of medical devices. With the fastest, strongest LED curing adhesives. Only from LOCTITE®.

- **High Bond Strengths on Flexible Substrates**
  - Tensile Strength >3 MPa (>435 psi)
- **High Elongation**
  - Elongation >200%
- **LED Curable**
  - Full Strength in 1-3 Seconds
- **Highly Fluorescent**
  - In Liquid and Cured State
New LOCTITE® AA 3951™ and AA 3953™ are the fastest curing, high strength flexible bonders for medical device assembly.

The Flexible Bonders offer high bond strengths on a wide variety of substrates including the newest innovative TPEs. Typical applications include tubing sets with connectors, adaptors and ports, catheter sets and connections, oxygen and anesthesia masks, and drug delivery and suture anchor devices.

**Typical Flexible Substrates:**
- TPE
- Plasticized PVC
- Thermoset Rubber

**Other Typical Substrates:**
- Acrylic
- Polycarbonate
- ABS
- PP Plasma Treated

**Typical Properties***

<table>
<thead>
<tr>
<th>Product</th>
<th>Item Numbers</th>
<th>Container Size</th>
<th>Appearance</th>
<th>Fluorescence</th>
<th>Viscosity (mPa.s)</th>
<th>Max Recommended Gap</th>
<th>Depth of Cure (LED 2450 nm, 800 mW/cm²)**</th>
<th>Fixture Speed (Sec.)</th>
<th>Shear Strength on Polycarbonate (N/mm²)</th>
<th>Tensile Strength For Bulk Adhesive (N/mm²)</th>
<th>% Elongation</th>
<th>Service Temperature Range</th>
<th>Humidity Resistance</th>
<th>High Adhesion To Plasticized PVC</th>
<th>Metal Bond Strength</th>
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</thead>
<tbody>
<tr>
<td>LOCTITE® AA 3951™</td>
<td>2298393 25 ml syringe</td>
<td>Colorless to Straw</td>
<td>Yes</td>
<td>100</td>
<td>0.1 mm (0.005”)</td>
<td>3 mm (0.12”)</td>
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<td>22 N/mm² (3,200 psi)</td>
<td>23 N/mm² (3,300 psi)</td>
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<td>Yes</td>
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<td>2298717 25 ml syringe</td>
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<td>0.5 mm (0.02”)</td>
<td>3 mm (0.12”)</td>
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<td>22 N/mm² (3,200 psi)</td>
<td>23 N/mm² (3,300 psi)</td>
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</tbody>
</table>

*Consult the Technical Data Sheets for additional technical data.

**Biocompatibility**

LOCTITE® AA 3951™ and LOCTITE® AA 3953™ have been tested to Henkel’s protocols based upon ISO-10993 biocompatibility standards, with certificates available on request.

**Your Benefits**

The new flexible light cure adhesives maximize design flexibility by providing high elongation with low viscosity. Specially designed for LED curing technology and minimizing cure times, they maximize production efficiency.

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Learn more at equipment.LOCTITE.com

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