

FLEXIBLE BONDERS

*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



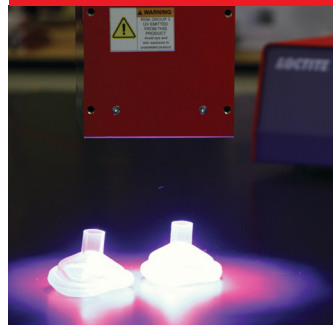
Tensile Strength >3 MPa
(>435 psi)

High Elongation



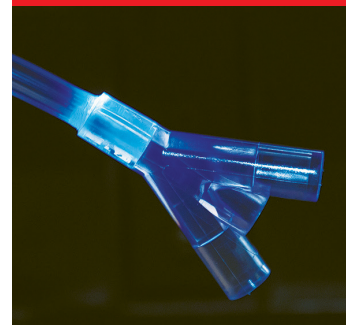
Elongation >200%

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*

| Product | Item Numbers | Container Size | Appearance | Fluorescence | Viscosity (mPa·s) | Max Recommended Gap | Depth of Cure 10 Seconds (LED, 405 nm, 800 mW/cm²)** | Fixture Speed (Sec.) | Shear Strength on Polycarbonate | Tensile Strength For Bulk Adhesive | % Elongation | Service Temperature Range | Humidity Resistance | High Adhesion To Plasticized PVC | Metal Bond Strength |
|-------------------|--------------|----------------|--------------------|--------------|-------------------|---------------------|--|----------------------|---------------------------------|------------------------------------|--------------|---------------------------------|---------------------|----------------------------------|---------------------|
| LOCTITE® AA 3951™ | 2298393 | 25 ml syringe | Colorless to Straw | Yes | 100 | 0.1 mm (0.005") | 3 mm (0.12") | 3 | 22 N/mm² (3,200 psi) | 23 N/mm² (3,300 psi) | 250 | -54°C to 100°C (-65°F to 210°F) | Medium-High | Yes | Medium |
| | 2298394 | 1 liter bottle | | | | | | | | | | | | | |
| LOCTITE® AA 3953™ | 2298717 | 25 ml syringe | Colorless to Straw | Yes | 500 | 0.5 mm (0.02") | 3 mm (0.12") | 3 | 22 N/mm² (3,200 psi) | 23 N/mm² (3,300 psi) | 233 | -54°C to 100°C (-65°F to 210°F) | Medium-High | Yes | Medium |
| | 2298718 | 1 liter bottle | | | | | | | | | | | | | |

*Consult the Technical Data Sheets for additional technical data.

**Curable with UV or visible light. Henkel's newest LED curing units are ideally suited for rapid curing of select Henkel adhesives.

LEARN MORE at equipment.LOCTITE.com

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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