

LOCTITE®

flexible **BONDERS**

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

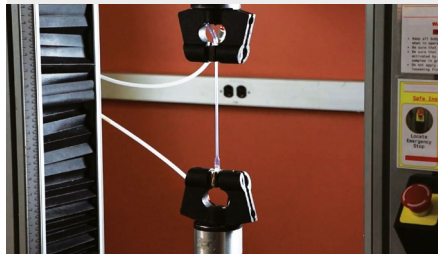
Design the future of medical devices. With the fastest, strongest LED curing adhesives. Only from LOCTITE®.

High Bond Strengths on Flexible Substrates



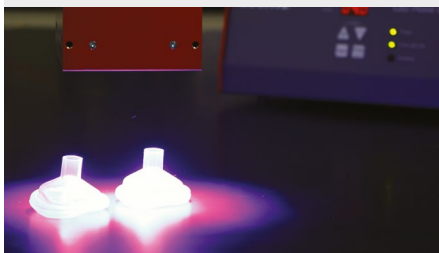
Tensile Strength >3 MPa (>435 psi)

High Elongation



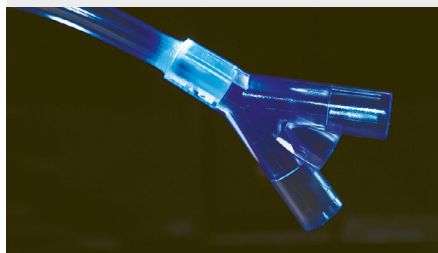
Elongation >200%

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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