

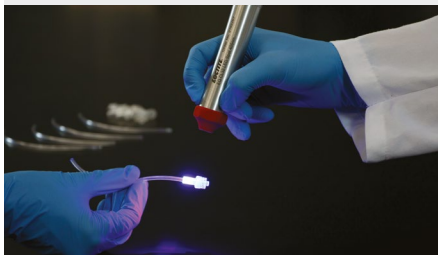
LOCTITE®

flexible
BONDERS

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

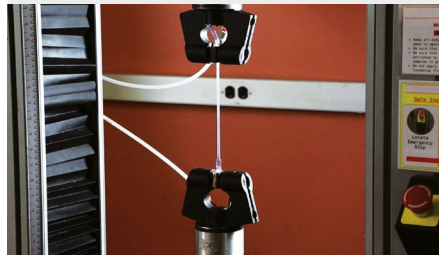
Design the future of medical devices. With the fastest, strongest LED curing adhesives. Only from LOCTITE.

High Bond Strengths on Flexible Substrates



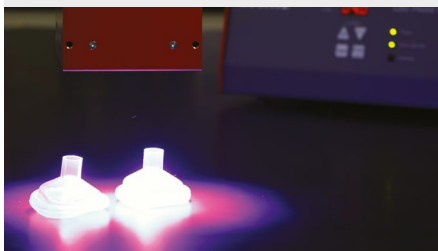
Tensile Strength >3 MPa (>435 psi)

High Elongation



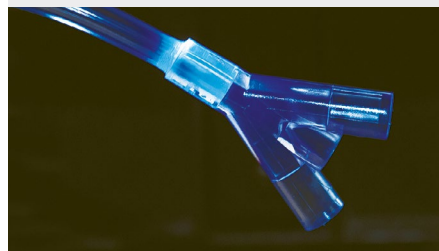
Elongation >200%

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.

They bond to 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

Adhesive Innovations From Henkel

Product	Item Numbers	Container Size	Appearance	Fluorescence	Viscosity (mPa·s)	Max Recommended Gap	Depth of Cure 10 Seconds (LED, 405 nm, 800 mW/cm ²)*	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	2484118	25 ml syringe	Colorless to Straw	Yes	100	0.1 mm	3 mm	3	22 N/mm ²	23 N/mm ²	250	-54°C to 100°C	Medium-High	Yes	Medium
	2484119	1 liter bottle													
LOCTITE AA 3953	2485368	25 ml syringe	Colorless to Straw	Yes	500	0.5 mm	3 mm	3	22 N/mm ²	23 N/mm ²	233	-54°C to 100°C	Medium-High	Yes	Medium
	2485369	1 liter bottle													

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

Your Benefits

Design Flexibility

Light cure adhesives that provide high elongation with low viscosity.

Production Efficiency

Specially designed for LED curing technology that minimizes cure times.

Biocompatibility

Tested to Henkel's protocols based upon ISO-10993.

Certificates available on request.

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Henkel Engineering Adhesives

