

FLEXIBLE BONDING SOLUTIONS FOR MEDICAL DEVICE ASSEMBLY



LOCTITE® AA 3951™ and AA 3953™ are the latest light cure innovations from Henkel. They have been tested to Henkel's protocols based upon ISO-10993 biocompatibility standards. These medical device adhesives are ideally suited for the assembly of a variety of flexible medical devices.

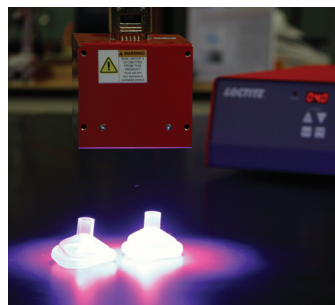
HIGH BOND STRENGTHS ON FLEXIBLE SUBSTRATES



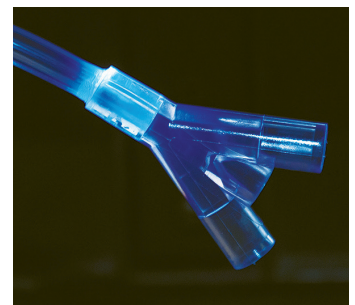
HIGH ELONGATION



LED CURABLE



HIGHLY FLUORESCENT



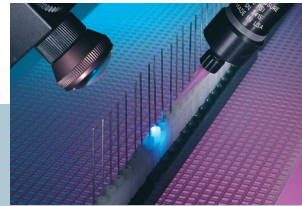
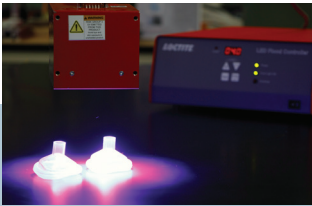
PRODUCTS	PRODUCT DATA														
	APPEARANCE	FLUORESCENT	VISCOSITY (cP)	MAX RECOMMENDED GAP	DEPTH OF CURE AFTER 10 SECONDS (D-BULB 100 mW/CM ²)	FIXTURE SPEED (SEC.)	SHEAR STRENGTH ON POLYCARBONATE (PSI)	METAL BOND STRENGTH (PSI)	TENSILE STRENGTH FOR BULK ADHESIVE (PSI)	% ELONGATION	TENSILE MODULUS RIGIDITY (PSI)	TEMPERATURE PERFORMANCE	HUMIDITY RESISTANCE	HIGH ADHESION TO PLASTICIZED PVC	HIGH ADHESION TO SILICONE
LOCTITE® 3951™	Colorless to Straw	YES	100	0.005" (0.1 mm)	0.08" (2 mm)	3	3,200	Medium	3,320	250	TBD	-65°F to 300°F (-54°C to 149°C)	Medium-High	YES	NO
LOCTITE® 3953™	Colorless to Straw	YES	500	0.12" (3 mm)	0.08" (2 mm)	3	3,200	Medium	3,200	233	TBD	-65°F to 300°F (-54°C to 149°C)	Medium-High	YES	NO
LOCTITE® 3972™	Transparent to Hazy Liquid	YES	4,000	0.16" (4 mm)	0.24" (6 mm)	5	1,190	Medium-High	3,370	88	66,750	-65°F to 300°F (-54°C to 149°C)	High	NO	NO
LOCTITE® 4310™	Clear to Pale Green	YES	150	0.005" (0.1 mm)	0.08" (2 mm)	5	3,190	High	7,250	7.3	282,900	-65°F to 200°F (-54°C to 93°C)	High	YES	YES*
LOCTITE® 4311™	Clear to Pale Green	YES	900	0.008" (0.2 mm)	0.08" (2 mm)	5	3,260	High	7,250	5	269,700	-65°F to 200°F (-54°C to 93°C)	High	YES	YES*
LOCTITE® 4902™	Clear Colorless Liquid	NO	200	0.005" (0.1 mm)	Room Temp Cure Only	10-30	1,150	High	N/A	80	57,900	-65°F to 180°F (-54°C to 82°C)	Medium	YES	YES*

* With the use of a cyanoacrylate primer.

^ Product data estimated. Consult Technical Data Sheet.

PRODUCT INFORMATION	CYANOACRYLATES		
	4310™	4311™	4902™
1 Ounce Bottle	1401792	1401791	1875841
1 Pound Bottle	1407190	1401789	1875842

PRODUCT INFORMATION	LIGHT CURE ACRYLICS		
	3951™	3953™	3972™
25 ML Syringe	2298393	2298717	423298
1 Liter Bottle	2298394	2298718	423299



CURING

LOCTITE® Tough & Flexible Light Cure Adhesives can be cured with UV or Visible light. LOCTITE's newest LED curing units are ideally suited for rapid curing of select Henkel adhesives.

DISPENSING

LOCTITE® Tough & Flexible Adhesives can be dispensed manually or with LOCTITE® semi-automated and fully automated systems. See www.equipment.LOCTITE.com for more details.

DETECTION

Most LOCTITE® Tough & Flexible adhesives contain fluorescent additives allowing for detection in the uncured or cured state. Detection can be accomplished with a simple black light or with vision systems

DIFFICULT BONDING APPLICATIONS

For difficult-to-bond substrates such as polyethylene and polypropylene, use LOCTITE® Primer 7701™ with LOCTITE® cyanoacrylate adhesives.



Henkel Adhesive Technologies