

LOCTITE®



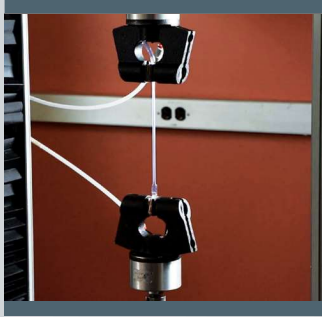
Light Cure Adhesive Innovations from HENKEL

Even More Flexible!

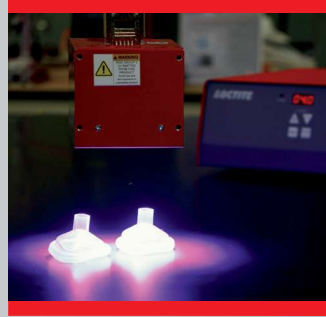
**HIGH BOND STRENGTHS
ON FLEXIBLE SUBSTRATES**



HIGH ELONGATION



LED CURABLE

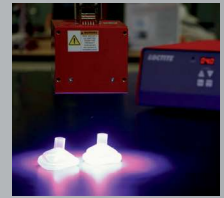


HIGHLY FLUORESCENT



To learn more about our Tough and Flexible Adhesives,
go to na.henkel-adhesives.com/medicaladhesives
or call **1-800-LOCTITE**





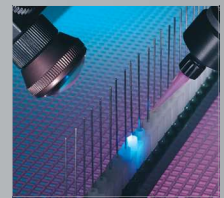
CURING

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



DISPENSING

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



DETECTION

All 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.

| PRODUCT DATA [^] | | | | | | | | | | | | | | | |
|---------------------------|------------------------------|-------------|----------------|---------------------|---|----------------------|---------------------------------------|---------------------------|--|--------------|--------------------------------|---------------------------------|---------------------|----------------------------------|---------------------------|
| PRODUCTS | 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 |
| NEW 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 |
| NEW 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® 3341™ | Light Yellow | YES | 500 | 0.08" (2 mm) | 0.12" (3 mm) | 5 | >900 | Medium | 2,200 | 220 | 3,600 | -65°F to 300°F (-54°C to 149°C) | Medium | YES | NO |
| LOCTITE® 3971™ | Transparent Liquid | YES | 300 | 0.12" (3 mm) | 0.16" (4 mm) | 5 | 3,200 | High | 3,700 | 93 | 95,000 | -65°F to 300°F (-54°C to 149°C) | Medium-High | NO | 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® 3974™ | Translucent Colorless Liquid | YES | 2,500 | 0.04" (1 mm) | 0.08" (2 mm) | 5 | 1,910 | Low | 2,280 | 100 | 4,880 | -65°F to 300°F (-54°C to 149°C) | Medium-Low | 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® 4902FL™ | Clear Colorless Liquid | YES | 200 | 0.005" (0.1 mm) | Room Temp Cure Only | 10-30 | 1,150 | High | TBD | 80 | 57,900 | -65°F to 220°F (-54°C to 104°C) | Medium | YES | YES* |

* With the use of a cyanoacrylate primer.
[^] Product data estimated. Consult Technical Data Sheet.

| ORDERING INFORMATION | Cyanoacrylates | | |
|----------------------|----------------|---------|---------|
| | 4310™ | 4311™ | 4902FL™ |
| 1 Ounce Bottle | 1401792 | 1401791 | 2103947 |
| 1 Pound Bottle | 1407190 | 1401789 | 2104199 |

| ORDERING INFORMATION | UV / Visible Light Cure Acrylics | | | | | |
|----------------------|----------------------------------|---------|---------|--------|--------|---------|
| | 3341™ | 3951™ | 3953™ | 3971™ | 3972™ | 3974™ |
| 25 ML Syringe | 237061 | 2298393 | 2298717 | 444350 | 423298 | 1135733 |
| 1 Liter Bottle | 230199 | 2298394 | 2298718 | 444375 | 423299 | 1135732 |



DIFFICULT BONDING APPLICATIONS

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

