



TECHNICAL DATA SHEET



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Item #	Package	Size
233841	Carded Tube	2 g
1627934	Tube	

DESCRIPTION:

Loctite® Glass Glue is the only patented super glue specially formulated for bonding glass. Forming fast and durable joints, the bond is waterproof and heat resistant to stand up to every day use. Loctite® Glass Glue dries clear, sets without clamping and is dishwasher safe.

RECOMMENDED FOR:

Bonding all types of glass to itself and glass to non-porous materials such as metal and certain plastics. Works on clear, tinted, brown, opaque and stained glass as well as crystal.

NOT RECOMMENDED FOR:

- Bonding glass to Styrofoam™, foam rubber, pure bone china, polyethylene, polypropylene and polytetrafluoroethylene (PTFE)
- Assemblies which will be exposed to temperatures over 176°F (80°C)
- Use in oven or microwave
- Use as a general purpose adhesive
- Gap filling applications (parts must be close mating with no gaps or voids)

FEATURES & BENEFITS:

Feature	Benefits
Dries clear and colorless.....	Invisible repairs
Sets in seconds.....	No clamping required
Waterproof and heat resistant.....	Dishwasher safe
Self-piercing tube.....	Easy to use

DIRECTIONS:

Tools Typically Required:
 Tissue paper.

Safety Precautions:
 Well-ventilated area, gloves.

Preparation:
 Surfaces must be clean, dry and free from oil, wax and paint. Wash all glassware with water and dry. Avoid using detergents to clean glassware as detergent residues can affect the quality of the bond. Protect work area. Pre-fit parts to be joined. All parts to be bonded must be close fitting with no gaps or voids. Screw the cap and nozzle down all the way clockwise to tube shoulder, puncturing the tube. Remove the cap counter clockwise from the nozzle.

Application:
 Apply Loctite® Glass Glue sparingly to one material to be bonded. Use approximately one drop per square inch of surface. Press surfaces together immediately. Hold in place for 15 to 60 seconds until bond sets. Do not reposition parts. Leave parts undisturbed for at least 1 hour or for best results leave overnight for full bond strength to develop. Wait 1 week before washing item in dishwasher. Clean nozzle tip with tissue and replace the cap, screwing on clockwise.

Clean-up
 After cleaning, wet any tissue used for wiping off glue with water and dispose of. When cleaning up larger quantities of uncured adhesive, apply water and allow to cure and then scrape up. Note this may result in damage to the surfaces. Cured adhesive may be cut away with caution using a sharp blade, removed with acetone or with boiling water. Note: Acetone may damage some plastics and is also highly flammable. Test before use and follow manufacturer's instructions.

STORAGE AND DISPOSAL

Not damaged by freezing in the unopened container. Optimal shelf life is achieved when unopened container is stored from 36°F to 46°F (2°C to 8°C). After opening, it is not recommended that the product be stored cold or frozen. Once opened, the product is best stored tightly sealed in a dry location away from heat sources or sun exposure. Humidity and high temperatures may decrease shelf life. Use an approved hazardous waste facility for disposal.

LABEL PRECAUTIONS

WARNING! Contains Cyanoacrylate. Can cause severe eye injury. Bonds skin instantly. May cause allergic skin reaction. Skin contact may cause burns. Avoid contact with skin and eyes. **FIRST AID:** In case of eye contact, flush with water for 15 minutes, call a physician. For skin contact, flush with water. For ingestion do not induce vomiting; call a physician. If spilled on clothing, flush with large quantities of water. **KEEP OUT OF REACH OF CHILDREN.**

Refer to the Material Safety Data Sheet (MSDS) for further information

DISCLAIMER

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Purchasers should test the products to determine acceptable quality and suitability for their own intended use. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	Transparent, colorless to pale yellow	<u>Application Temperature:</u>	Do not apply below 50°F (10°C)
<u>Appearance:</u>	Liquid	<u>Odor:</u>	Sharp (use in a well-ventilated area)
<u>Base:</u>	n-Butyl cyanoacrylate	<u>Fixture Time:</u>	15 to 60 seconds*
<u>Specific Gravity:</u>	1.1	<u>Handling Time:</u>	Leave undisturbed for at least 1 hour. For best results, leave undisturbed overnight to allow full bond strength to develop.
<u>Flashpoint:</u>	176°F (80°C) to 200°F (93°C)	<u>Full Cure Time:</u>	24 hours*
<u>Shelf Life:</u>	From date of manufacture (unopened):		
Stored at 35-46°F:	18 months		
Stored at 68°F:	18 months		* Dependent upon the temperature, humidity and amount of adhesive used
<u>Lot Code Explanation:</u>	#YDDDX		
(Lot code printed crimped end of tube)	# = Disregard Y = Year DDD = Day of manufacture based on 365 days in a year X = Disregard (may not appear on all)		
	For example: #3061 = 61 st day of 2013 = March 2, 2013		

Typical Cured Performance Properties

<u>Color:</u>	Clear and colorless
<u>Cured form:</u>	Non-flammable, hard, solid
<u>Service Temperature:</u>	Up to 176°F (80°C)
<u>Dishwasher Safe:</u>	Yes
<u>Moisture Resistant:</u>	Yes
<u>Bond Strength (Tensile Shear, ISO 4587):</u>	Varies from 218 – 363 psi (1.5 - 2.5 N/mm ²) in 12-24 hours, depending on the substrate
<u>Chemical Resistance:</u>	Motor oil, leaded petrol, ethanol, isopropanol and freon TA