Technical Data Sheet

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Ref: NRLO21000TDS
Issued: 02.04.20
Number of pages: 2

Loctite Super Glue Power Flex Gel

CHARACTERISTICS

LOCTITE® Super Glue Power Flex Gel is a one-part instant liquid gel adhesive. It is designed for home-use and forms strong bonds between a wide range of common materials. The non-drip formula can be used on vertical or overhead surfaces. It is the ideal adhesive for bonding materials such as plastics*, rubbers, metals, woods, ceramics, leather, fabrics, cardboard and paper.

LOCTITE® Super Glue Power Flex Gel is resistant to shocks and is perfect for applications where some flexibility is required. Power Flex conforms to the EN204 D3 standard for wood adhesives making it water resistant but not suitable for continuous exposure to moisture.

Bonding Speed: Initial adhesion in 10 to 30 seconds, depending on the substrate.

Bond Strengths (ISO 4587): 15 to 25 N/mm^2 (tensile shear) in 12 to 24 hours, depending on the substrate. It is water-resistant to EN204-D3 standard and ceramic bonds can withstand >100 dishwasher cycles (under controlled laboratory conditions).

INSTRUCTIONS FOR USE

1. Ensure all surfaces to be bonded are clean and close-fitting.
2. Avoid skin contact with the glue.
3. Lightly dampen porous substrates.
4. Apply a minimum quantity of LOCTITE® Super Glue Power Flex Gel to one of the surfaces to be bonded.
5. Bring parts together immediately and hold by hand pressure for at least 30 seconds.
6. Leave undisturbed for 10 minutes or preferably overnight to allow full bond strength to develop.
7. Avoid spillages and protect work surfaces. Remove cured residues of Super Glue with LOCTITE® Super Glue Remover.
8. For best results, the bonds should be prepared at room temperature (15-30°C) and a minimum 30% relative humidity.
9. For optimum product life, wipe the nozzle with a tissue soaked in acetone (e.g. nail varnish remover) to remove excess adhesive, replace cap and store the pack upright in a cool, dry place.

TECHNICAL DATA

Composition	Ethyl cyanoacrylate
Appearance	Clear gel
Density	1.1 g/cm^3 @ 20 °C
Viscosity	Non-drip Gel
Pack	3g tube
Safety	See Safety Data Sheet
Shelf Life at 20 °C	18 months unopened

LIMITATIONS

- For indoor use only
- Do not use on dusty, dirty or wet surfaces
- *Not suitable for bonding waxy or soft plastics, e.g. PP, PE, Teflon® (PFTE), vinyl
- Not suitable for silicone rubber, expanded polystyrene, foams, glass, synthetic fabric
- Leather: test on hidden area first
- Not suitable for permanently wet areas
- Not suitable for bonding silicone rubber, glass, glazed surfaces, very soft leather or foams
- Never use for bonding assemblies that will hold hot liquids
- Optimum bonding performance is achieved in dry conditions

STORAGE

Store in a cool, dry place, out of reach of children.

HEALTH AND SAFETY

Before using the product please see related Material Safety Data Sheet that is available on request.

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