

LOCTITE CONSUMER PRODUCTS

TECHNICAL INFORMATION SHEET

LOCTITE FLEX GEL

PRODUCT DESCRIPTION

Loctite **Flex Gel** is a one-part non-drip gel cyanoacrylate adhesive. It is designed for home use and forms strong bonds between a wide range of porous and non-porous materials. It has the following properties:

Adhesive

- Base Compound: Ethyl cyanoacrylate
- Appearance: Clear Gel
- Viscosity (ISO 3219): Non-drip Gel
- Specific Gravity at 20°C (ASTM D1122): 1.1
- Flashpoint: See Safety Data Sheet 1081573
- Safety: See Safety Data Sheet 1081573
- Shelf-Life at 20°C: 18 months

TYPICAL APPLICATIONS / PERFORMANCE

Flex Gel is the ideal adhesive for bonding materials such as plastics, rubbers, metals, woods, ceramics, leather, fabrics, cardboard and paper. The adhesive is specially formulated with rubber, making it suitable for applications requiring some flexibility. Fixture times are generally 10-50 seconds (ISO 4587). Bond strengths are generally 15-25 N/mm² (ISO 4587). The bond is repositionable for 10 seconds and is resistant to shocks. Flex Gel conforms to the EN204 D3 standard making it water resistant but not suitable for continuous exposure to moisture.

INSTRUCTIONS FOR USE

1. Insure all surfaces to be bonded are clean and dry.
2. Apply minimum quantity of **Loctite Flex Gel** adhesive to one of the surfaces to be bonded.
3. Bring parts together immediately and hold by hand pressure until fixtured, usually for 20-80 seconds.
4. Leave undisturbed for 5 minutes or overnight to allow full bond strength to develop.
5. Avoid spillages and protect work surfaces. Remove cured residues of **Flex Gel** with Loctite Remover.

LIMITATIONS

Loctite Flex Gel is not suitable for bonding polypropylene, polyethylene, PTFE, silicone rubber or glass. Never use for bonding assemblies which will hold hot liquids. Not suitable for bonding polystyrene foams.

Note

The properties listed in this information sheet are typical and should not be used as a basis for preparing a specification. The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. The discussion herein of various processes or compositions is not to be interpreted as presentation that they are free from domination of patents owned by others, or as a licence under Loctite Corporation patents, which may cover such processes or compositions. We recommend that each prospective user test his application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.