

SUPER GLUE GEL PART NO. 49433

PHYSICAL PROPERTIES

MONOMER (Liquid)

| | |
|-------------------------------|-------------------------------|
| Base Compound | Ethyl Cyanoacrylate |
| Appearance | Colorless Gel |
| Viscosity (cps @ 68°F) | Thixotropic |
| Specific Gravity (g/cc) | 1.08 |
| Flash Point (TCC) | 176°F |
| Shelf Life @ 40°F | 1 year in unopened containers |
| Setting Time: (68°F, 65%R.H.) | |
| Metal/Metal | 60 seconds |
| Plastic/Plastic | 25seconds |
| Rubber/Rubber | 15 seconds |
| Military Specs | Mil-A-46050C Type II, Class 4 |

POLYMER (Cured)

| | |
|-------------------------------|---|
| Appearance | Colorless Solid |
| Service Temperature Range | -65°F to 250°F |
| Softening Point | 293°F |
| Refractive Index (ND 20) | 1.49 |
| Full Cure Time | 24 Hours |
| Color | Clear |
| Specific Gravity (20°C) | 1.176 |
| Softening Point (°C) | 1.45(293°F) |
| Dielectric Constant (@ 10MHz) | 3.3 |
| Dielectric Loss (@ 10MHz) | 0.06 |
| Dielectric Strength KV/mm | 11.6 |
| Dielectric Constant @ 1Kc | 5.4 |
| Tensile Strength: | |
| Steel/Steel | 3500 psi |
| Solubility | Nitromethane, Acetone, Dimethylformamide |

DESCRIPTION

Dynatex® Super Glue Gel is an instant-bonding adhesive in a gel form designed to bond close fitting surfaces quickly. Sets in seconds to form a permanent, transparent bond. Supplied as a gel, *Dynatex® Super Glue Gel* may be used on vertical, overhead and hard to reach surfaces. It is effective on metal, rubber, glass, aluminum, ceramics, vinyl, alloys, plastics and other non-porous surfaces.



FEATURES

- Useful on vertical and overhead surfaces
- No drip, high performance gel formula
- Ready to use
- No mixing
- Permanent, transparent bond
- Fills gaps

TYPICAL APPLICATIONS

- Automotive trim
- Minor interior repairs
- knobs
- Logos
- Household repairs and more...

Setting Time and Strength of Test Piece

| | | Setting Time (seconds) | Lap Shear Strength N/mm ² |
|-----------------|-----------------------------|------------------------|--------------------------------------|
| Metal | Steel / Steel | 60-100 | 18.0 |
| | SUS / SUS | 120-240 | 17.0 |
| | Aluminum/Aluminum | 60-120 | 16.0 |
| Plastics | VinylChloride/VinylChloride | 10-40 | 3.0* |
| | ABS/ABS | 10-40 | 5.0* |
| | Polyacrylate/Polyacrylate | 10-40 | 6.0* |
| Rubber | NBR rubber/NBR rubber | 5-20 | 0.9* |
| | Chloroprene/Chloroprene | 5-20 | 0.8* |

*Substrate failure

Soluble in Acetone, Dimethylformamide, Nitro methane.

Test Conditions Test Method

Temperature: 23°C Lap shear strength: to ISO 4587
Humidity: 50%RH Setting time: to JIS K6861

Initial Lap Shear Strength (N/mm²)

(1)Steel/Steel

| Time (minutes) | 5 | 10 | 30 | 60 | 120 | 300 | 1,440 (1 day) |
|---|-----|-----|------|------|------|------|---------------|
| Lap shear strength (N/mm ²) | 5.0 | 7.0 | 11.0 | 14.0 | 16.0 | 18.0 | 22.0 |

STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), *Dynatex® Super Glue Gel* has a shelf life of 12 months from date of shipment.

In Countries where high heat and humidity are a factor, special precautions must be taken. Store product in a covered, well-ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity conditions may reduce shelf life by up to 30%. Rotation of stock is an absolute necessity. Cartons should always be stacked upright. DO NOT stack cartons on their side. **NEVER** stack cartons more than 8 high. DO NOT store within 1 meter (4 feet) of roofline of the warehouse or storage building.

USERS PLEASE READ

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

Non-warranty: Because the storage, handling and application of the material is beyond Dynatex control, we can accept no liability for the results obtained. Dynatex sole limited warranty is the product meets the manufacturing specifications in effect at time of shipment. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. Dynatex will not be liable for incidental or consequential damages of any kind. The exclusive remedy for breach of such limited warranty is a refund of purchase price or replacement of any product shown to be other than as warranted.

Suggestions of uses should not be taken as inducements to infringe any patents.

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