

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 require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

The supplier warrants only that its products will meet its specifications. There is no use, nor any other express or implied warranty. The user's exclusive remedy and the supplier's sole liability is limited to refund of the purchase price or replacement of any product when to be otherwise than as warranted. The supplier will not be liable for incidental or consequential damages of any kind.

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

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