

SUPER GLUE GEL PART NO. 49436

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

Test Conditions

Temperature: 23°C
 Humidity: 50%RH

Test Method

Lap shear strength: to ISO 4587
 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

Soluble in Acetone, Dimethylformamide, Nitro methane.

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.

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