FEATURES

- Transparent liquid super glue
- Tube package size of 3g
- Fixing time of less than 20 seconds full cure within 24 hours
- Operating temperature range of -50°C to +80°C
- Ethyl base
- Low viscosity
- Acrid odour
- Suitable for plastic, rubber, wood, metal and glass
- This glue can bond skin instantly and should be kept out of reach of children

RS PRO 3 g Super Glue

RS Stock No.: 918-6875

RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Use this quick-fix liquid super glue to repair items or join small parts together. This versatile adhesive can be used with a broad range of different surfaces — from glass and plastic to wood and metal — to create strong, reliable bonds.

With an ethyl base, this super glue hardens when it comes into contact with microscopic droplets of water on surfaces. It's effective between temperatures of -50°C and +80°C, making it usable in demanding environments. The portable 3 g tube makes it convenient for on-the-spot repairs and quick DIY tasks, as does its rapid fixing time of under 20 seconds. Repair tiny cracks in timber or other porous materials without leaving a trace thanks to this RS PRO super glue's transparency and low viscosity.

General Specifications

Package Size	3g
Product Form	Liquid
Colour	Transparent
Package Type	Tube
Maximum Fixture Time	3sec to 20sec
Base Chemical	Modified Ethyl
Low/No Odour	No
Cure Time	< 5
Applications	Environments and industries

Mechanical Specifications

Viscosity	80cPs to 120cPs
Specific Gravity	1.06
Tensile Strength	21N/mm^2
Shelf Life At 5°C	12months
Maximum Gap Fill	0.20mm
Curing Speed Steel (Degreased)	<20 seconds
Curing Speed ABS	<10 seconds
Curing Speed Rubber	<5 seconds
Curing Speed Wood	<3 seconds

Operation Environment Specifications

Maximum Operating Temperature	+80°C
Minimum Operating Temperature	-50°C
Flash Point	>85°C

Cure Speed vs Substrate

The speed of cure of cyanoacrylates varies according to the substrates to be bonded. Acidic surfaces such as paper and leather will have longer cure times than most plastics and rubbers. Some plastics with very low surface energies, such as polyethylene, polypropylene and Teflon® require the use of a primer

Cure Speed vs Environmental Conditions

Cyanoacrylate adhesives require surface moisture on the substrates in order to initiate the curing mechanism. The speed of cure is reduced in low humidity conditions. Low temperatures will also reduce cure speed. All figures relating to cure speed are tested at 21°C.

Cure Speed vs Bond Gap

RS Pro cyanoacrylates give best results on close fitting parts. The product should be applied in a very thin line in order to ensure rapid polymerisation and a strong bond. Excessive bond gaps will result in slower cure speeds.

Chemical/Solvent Resistence

RS Pro cyanoacrylates exhibit excellent chemical resistance to most oils and solvents including motor oil, leaded petrol, ethanol, propanol and freon. Cyanoacrylates are not resistant to high levels of moisture or humidity over time.

Typical Environmental Resistance

Hot Strength

918-6878 cyanoacrylate adhesives are suitable for use at temperatures up to 80°C. At 80°C the bond will be approximately 70% of the strength at 21°C. The bond strength at 100°C is approximately 50% of full strength at 21°C.

Heat Ageing

RS Pro cyanoacrylates retain over 90% of their strength when heated to 80°C for 90 days and then tested at 21°C. Heating the bond to 100°C and then testing at 21°C gives bond strength of approximately 50% of initial strength.

Removal of Cure Cyanoacrylate

Cured cyanoacrylate may be removed from most substrates, and parts disassembled, with a De-bonder. It is not possible to fully remove cyanoacrylate from fabrics.

Storage

Store in a cool area out of direct sunlight. Refrigeration to 5° C gives optimum storage stability.

Directions for use

Bond speed is very fast so ensure that parts are properly aligned before bonding. Activators may be required if there are gaps or porous surfaces. Some plastics may require application of a primer.

Ensure parts are clean, dry and free from oil and grease.
Product is normally hand applied from the bottle. Apply sparingly to one surface and press parts firmly together until handling strength is achieved. As a general rule, as little cyanoacrylate as possible should be used – over application will result in slow cure speed and lower bond strength.
Please contact your RS Pro representative for further advice on dispensing solutions.