



IFI CYANOACRYLATE SUPERGLUE. MEDIUM VISCOSITY.

1. PRODUCT DESCRIPTION:

IFI Superglue Medium Viscosity is an ethyl cyanoacrylate liquid adhesive of medium viscosity. Outstanding adhesion to most common non-porous construction substrates. It is also suitable for bonding irregular or porous components, or surfaces.

2. PROPERTIES:

IFI Superglue Medium Viscosity has outstanding adhesion for bonding rubbers, filled rubbers, PVC trims, many plastics and wood to wood.

IFI Superglue Medium Viscosity is 100% solventless with a slower cure (depending on substrate) to allow adjustment during assembly.

IFI Superglue Medium Viscosity has a high impact strength and is suitable for vertical use, with gap filling of up to 0.25mm.

3. APPLICATIONS:

IFI Superglue Medium Viscosity is an excellent general purpose grade for universal bonding and is particularly suitable for bonding rubbers, ceramics, sintered bearings, magnets, metals, PVC trims, plastics, woods, MDF and china.

IFI Superglue Medium Viscosity is suitable for use with selected cyanoacrylate activators to increase cure speed.

4. CHARACTERISTICS:

Before Curing:	
Monomer.....	Ethyl cyanocrylate
Appearance.....	Clear colourless
Specific gravity.....	1.05
Viscosity @ 25°C (Brookfield), cPs.....	90-120
Flashpoint (Cleveland open cup), °C.....	>85
Shelf life (stored below 25°C).....	12 months, unopened
Toxicity.....	Non-toxic
After Curing;	
Refractive index (ND20).....	1.45
Hardness (Rockwell).....	85
Specific resistance, OHM/cm.....	8 x 10 ¹²
Dielectric constant @ 1MHZ.....	3.44
Softening point, °C.....	130
Performance, typical steel/steel substrate values;	
Tensile strength (ASTM D2095), N/mm ²	28-32
Tensile sheer strength (ASTM D1002), N/mm ²	15-20
Impact strength (ASTM 950), N/mm ²	2.0-2.5



5. CONFORMITY TO SPECIFICATIONS:

IFI Superglue Medium Viscosity has no requirements to meet any known standards for its intended application.

6. WORKING PROCEDURE:

Surface Preparation:

All surfaces must be clean, dry and free from dust or traces of contaminants, which may effect adhesion.

To degrease, wipe with a pad soaked in solvent then dry with a clean cloth.

Dust should be removed using oil-free compressed air.

IFI Superglue Medium Viscosity should be applied sparingly to one of the surfaces to be bonded. Assemble immediately to opposite surface and apply pressure until bonded, taking care to align surfaces carefully and quickly.

Cure performance can be enhanced if necessary by using selected cyanoacrylate activators.

Typical bonding times (without activators);

Plastics 5-60 seconds, depending on substrates

Rubbers 2-20 seconds, depending on substrates

Metal (degreased) 10-60 seconds, depending on substrates

Where possible the working environment should have a relative humidity of 50%+.

Always use in a well ventilated environment.

Care should always be taken when working with cyanoacrylate adhesives as there is a risk of inadvertent skin bonding.

7. LIMITATIONS OF USE:

IFI Superglue Medium Viscosity is not suitable for permanent glass bonding or applications where the bonded joint may be immersed in water.

Always surfaces are degreased prior to bonding and ensure surfaces are close fitting.

8. AVAILABLE COLOURS:

IFI Superglue Medium Viscosity is only available as a colourless liquid.

9. PACKAGING:

IFI Superglue Medium Viscosity is supplied in 20 gram or 50 gram bottles, fitted with a pin cap screw-on lid,

20g are boxed in 25 bottles

50g are boxed in 25 bottles



10. STORAGE AND SHELF LIFE:

IFI Superglue Medium Viscosity has a shelf life of at least 12 months from its date of manufacture, if stored in tightly closed original containers under cool temperatures (between +3°C and +20°C), in dry conditions and stored upright and out of direct sunlight. IFI Ltd guarantees the product for 12 months from the shipment date, when stored under these conditions.

The lower the temperature, the longer the ultimate shelf life, but always bring to room temperature before use.

If the material is kept beyond the shelf life shown on the product label, it is not necessarily unusable, but quality control should be performed on the properties relevant to the application.

11. SAFETY

Consult the Material Safety Data Sheet for **IFI Superglue Medium Viscosity** and follow the directions and health & safety information on the product label.

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The information provided in this Technical Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the content of the Technical Data Sheet.



IFI
Rutland Business Park
Newark Road
Peterborough
PE1 5WA
United Kingdom

www.ifi.eu

Sales Phone: 01733 847 520

Sales Fax: 01733 343 465

Email: ifi@ifi.eu