

# Medium Viscosity CA Superglue

## Description

Sylmasta Medium Viscosity Cyanoacrylate Superglue is an instant adhesive for general use..

## Applications

It is specifically formulated to rapidly bond difficult substrates and to perform in lower humidity situations. It can be used for sticking plastics, metal, porcelain, fine china, ceramics, jewellery and model making.

## Advantages

- Rapid bonding.
- High performance in low humidity situations.

## Liquid Properties

Ester base .....	Ethyl-2-cyanoacrylate
Appearance .....	Clear, colourless
Flashpoint .....	> 81°C
Density .....	1.05
Viscosity (25°C - Brookfield, sp. 1, 20rpm) .....	120 cps
Shelf life (20°C) .....	12 months unopened

## Shear Strengths

Sheer strength according to ASTM D1002	
Grit blasted steel .....	> 15 N/mm <sup>2</sup>
Etched aluminium .....	> 11 N/mm <sup>2</sup>
Nitrile rubber .....	> 10 N/mm <sup>2</sup>
Polycarbonate .....	> 12 N/mm <sup>2</sup>

## Polymer Properties

Appearance .....	Clear, colourless
Softening point .....	approx. 130°C
Full cure time .....	24 Hours
Solubility (20°C) .....	DMF, acetonitrile, acetone.

## Cure Speeds

Substrate .....	Cure (seconds)
Balsa / Balsa .....	< 2
Nitrile rubber / Nitrile rubber .....	< 2
Neoprene / Neoprene .....	3
EPDM / EPDM .....	3
Steel / Steel .....	10 - 20
PVC / PVC .....	3 - 10
Polycarbonate / Polycarbonate .....	10 - 40

## Tensile Strengths

Tensile strength according to ASTM D2095	
Grit blasted steel .....	> 18 N/mm <sup>2</sup>
Nitrile Rubber .....	> 7 N/mm <sup>2</sup>
Neoprene Rubber .....	> 7 N/mm <sup>2</sup>
EPDM Rubber .....	> 2 N/mm <sup>2</sup>

## Storage

Cyanoacrylates should be stored in the original sealed container until used. Containers should be stored between 10°C - 22°C. Avoid exposure to strong light and heat sources. optimal storage conditions can be achieved by refrigeration.

## Presentation

Bottles: 20g, 50g & 500g

## Health & Safety

Cyanoacrylate superglue is classified as an irritant and bonds skins and eyes instantly

*Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company. It is the customer's responsibility to satisfy themselves that each product is fit for the purpose for which they intend to use it, that the actual conditions of use are suitable and that in the light of our continual research and development programme the information relating to each product has not been superseded.*