



# TECHNICAL DATA SHEET

## CA901

**DESCRIPTION** ULTRABOND CA901 is a medium viscosity medium setting velocity ethyl cyanoacrylate adhesive.

**APPLICATION** Ideal for bonding plastics, rubber, metal.

**CURE SPEED**

PLASTIC	: 2 – 30 seconds
RUBBER	: 2 – 30 seconds
METAL	: 2 – 30 seconds
WOOD	: 2 – 30 seconds

(22°C, 50% relative humidity ASTM D1002, 0.1 N/mm<sup>2</sup> tensile shear strength)

**GENERAL PROPERTIES**

Uncured Monomer

Main Component	Ethyl Cyanoacrylate
Appearance	Clear liquid
Specific gravity, 20°C	1.06
Viscosity 25°C (cps)	85 – 130
Brookfield LV	
Spindle S31 @100 rpm	
Flash point	>80°C
Shelf life (8°C & 50% relative humidity)	8 month (Stored in cool & dry place, unopened bottle & out of direct sunlight)

Cured Adhesive

Gap filling	0.15 mm
Tensile strength steel-steel ASTM D-2095	10 – 20 N/mm <sup>2</sup>
Tensile shear Strength steel-steel ASTM D-1002	10 – 20 N/mm <sup>2</sup>
Service temperature range	-55 - 82°C
Full cure time	24 hours

**PRODUCT SIZE**

**SAFTY DIRECTION**

20g  
 Danger, irritant  
 Avoid contact with eyes and skin, bonds skin in seconds. In case of eye contact, flush with plenty water for over 15 minutes, call a physician immediately. Use in well-ventilated place. Avoid contact clothing, it can cause very strong heat.

**APPLICATION DIRECTION**

- The surfaces to be bonded should be clean and free of grease completely.
- Excess adhesive can be treated by ULTRABOND CD-1 or acetone.
- If setting time is too long due to large gaps or low relative humidity. ULTRABOND Accelerator CS-1 can be used.
- If the porosity of surface is higher, higher viscosity type should be better.
- Difficult to bond plastics, like PE, PP, Silicone Rubber, ABS, TPR, EPDM's Adhesion, ULTRABOND Primer CP-1 should be applied firstly, then applied ULTRABOND super glue.

\*\* All the information is provided on the basic in good faith, and is believed to be trustworthy but is for reference only. Adhesion is very complicated and the result of it is much dependent on the surface material, additives, releasing agents of the substrates and user's methods. UEA and its agents, dealers, distributors, directors and employees cannot accept any liability for the results whatsoever arising from the use of UEA's products due that the utilization of these products is simply out of UEA's control. The users are responsible for selecting the suitability of the products and methods of use.