



TECHNICAL DATA SHEET

FV300

ULTRA BOND series cyanoacrylate adhesive are instant bonding, single component adhesive, that bond almost all close-fitting smooth surface in second. It requires no mixing, no solvent, have low toxicity, mild odor and non-flammable.

Characteristics

Fast Setting / Easy to Use / Strong Bonding / Single Component

Grade

Medium setting velocity & viscosity (300cps) for plastic / rubber / metal.

General Properties

Monomer:

Main Component	:	Ethyl cyanoacrylate
Viscosity (20°C)	:	300
Specific Gravity (20°C)	:	1.05
Flash Point	:	80°C
Shelf Life (Month)	:	6
Storage	:	Under 10°C
Appearance	:	Colorless Transparent Liquid
Temperature Range	:	-55 to 82°C

Polymer:

Soft Point(°C)	:	155 - 158 approx
Refractive Index(20°C)	:	1.45 approx
Volume Resistivity	:	8.8* 1E +12Ωcm at 20°C
Dielectric Constant	:	3.34 at 1 MC
Solubility	:	Soluble in acetone, DMF
Appearance	:	Colorless transparent
Tensile Shear Strength (kg/cm ²)		
Steel - Steel		200
Copper - Copper		170
Aluminum - Aluminum		110
PVC - PVC, ABS - ABS & PMMA - PMMA		* Failure of base material

** 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.



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Direction in Use

1. Surface Treatment:

ULTRA BOND series demonstrates its full efficiency on thoroughly cleaned surfaces. Therefore, completely remove moisture, oil, rust, mold release agent and other contaminants from the surface is the essential factor for ensuring satisfactory bonding strength.

2. Bonding Method:

Apply small quantity of ULTRA BOND series on the surface to be bonded, lap them together to achieve uniform and thin application. Then fix them securely at the prescribed position. The thinner the adhesive application, the stronger bonding strength be obtained.

Cares in Handling

1. For Use

- Eye Irritant, Bond Skin in Seconds
In case of eye contact, the eye should be copiously flush with water and medical aid sought immediately when skin contact occur, the adhesive should be removed by soaking in warm, soapy water or by treatment with solvents such as acetone or nail polish remover.
- Do not use rubber or cloth gloves. Rubber gloves will bond when brought in contact with the adhesive and porous cotton gloves will absorb the adhesive and bond the gloves to the skin.
- When using it in large quantity or over a long period, be careful to ensure adequate ventilation of your work place.
- ULTRA BOND series bonds with virtually all materials except for PP, PE, or Fluoro resin.

2. For Storage

- Keep away from reach of children.
- Keep away from direct sunlight.
- Store in cool (under 10°C) and dry place.