

Medical Device Cyanoacrylate – Very Low Viscosity 4C10

This medical device adhesive has been satisfactorily tested for cytotoxicity and USP Class VI. It is compatible with ethylene oxide, e-beam and gamma sterilisation.

Very low viscosity, biocompatible cyanoacrylate is applied following the assembly of a joint. It is suitable for flexible or rigid materials, entering joints by capillary action and forming strong bonds very rapidly, making it ideal for automated assembly.

**Typical Applications:**

- Catheter bonding
- Bonding components for breathing masks
- Tacking wires and bonding materials for electro-cardiogram pads
- Bonding connectors to tubes
- Disposable scalpels - bonding blade to handle

Features

- Single part adhesive
- Cure in seconds - ideal for high-speed production
- Forms high-strength bonds - often exceeding that of the substrate material.
- Colourless and transparent for a clean, aesthetically pleasing finish.
- Can adhere to difficult-to-bond materials.

Technical Data	
Property	Data
Appearance	Colourless, transparent
Viscosity @25°C	40mPa.s
Specific Gravity @25°C	1.05
Flashpoint	82°C
Base Compound	Ethyl cyanoacrylate
Softening Point	150 –170 °C
Shore Hardness	D 85
Service Temperature	-62 TO + 80°C
Fixture time	5 to 15 seconds

Substrates

ABS, SBR, acrylic, polystyrene, polycarbonate, PVC, SAN, PBT, polysulphone.