

Medical Device Cyanoacrylate –Low Viscosity 4C20

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

Low viscosity, instant cyanoacrylate is applied in a thin film and bonds most metals, plastics and rubbers in seconds, including PVC. It is suitable for flexible or rigid materials and porous or non-porous surfaces. It spreads only slightly within the bond area and has limited gap filling properties. It is suitable for manual or high speed production.

**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	500maPa.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	10 to 30 seconds

Substrates

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