

### Medical Device UV Adhesive – 4UV80

This medical device adhesive has been satisfactorily tested for cytotoxicity and USP Class IV. It is available in a variety of viscosities and can be made to fluoresce for quality inspections.

UV curing adhesives set during exposure to ultra violet light. These adhesives do not dissolve, melt or weaken the two components. They form strong chemical bonds between the two substrates and provide a high strength alternative to other joining methods. They can be used to replace solvent welding to help reduce stress cracking and to increase bond strength and performance. UV adhesives are also a good alternative to ultrasonic welding as they are more able to cope with gaps or varying tolerances, reducing reject rates.



#### Application



#### Typical Applications:

- Face mask bonding
- Needle bonding
- Bonding connectors
- Catheter bonding
- Blood collection reservoirs

#### Features:

- Very high bond strengths can be formed
- Adheres to difficult materials and can bond dissimilar materials
- Cures when required, in seconds

Technical Data	
Property	Data
Appearance	Colourless, clear
Viscosity @25°C	4UV80 = 150, 4UV80HV = 1900, 4UV80HH = 10,000
Specific Gravity @25°C	1.1
Base Compound	Methacrylate ester
Shore Hardness when cured	D 60
Service Temperature	-55 TO + 120°C
Fixture light cure time	Typical 6 seconds
Cure depth	0.5mm
Substrates	ABS, SBR, acrylic, polystyrene, polycarbonate, PVC, SAN, PBT, polysulphone