



## Adhesives for Medical Device Assembly

Hanarey adhesives offer cost-effective solutions for medical device manufacturers. UV adhesives cure in seconds under UV/visible light, while epoxy adhesives cure with heat, ensuring strong bonds, chemical resistance, and long-term reliability. Designed to meet strict medical standards, they ensure biocompatibility and are ideal for precise device assembly.

These adhesives bond similar or dissimilar substrates, improve assembly speed, boost output, and are compatible with gamma, EtO, and electron beam sterilization.

### Applications

- Needle & Syringe Bonding
- Catheters Assembly
- Tube Set Bonding
- Airway Management Device Assembly



## Product Specifications

Part Number	Features / Applications	Viscosity, cP	Hardness	Tensile at Break, psi	Elongation at Break, %
CSA4435	<ul style="list-style-type: none"> <li>Needle &amp; syringe bonding</li> <li>Medium viscosity with a thixotropic nature to reduce the migration of liquid product after application</li> <li>Excellent adhesion to a wide variety of substrates including glass, most plastics, and metals</li> </ul>	3,750	D60	2,600	250
CSA4445	<ul style="list-style-type: none"> <li>Needle &amp; syringe bonding</li> <li>Low viscosity, transparent liquid, cure at a rapid speed</li> <li>Excellent adhesion to a wide variety of substrates including glass, most plastics, and metals</li> </ul>	80~150	D75	2,785	46
CSA4535	<ul style="list-style-type: none"> <li>Needle &amp; syringe bonding</li> <li>High viscosity with a thixotropic nature to reduce the migration of liquid product after application</li> <li>Excellent adhesion to a wide variety of substrates including glass, most plastics, and metals</li> </ul>	8,000~14,000	D55	2,118	132
CSA4545-1	<ul style="list-style-type: none"> <li>Needle &amp; syringe bonding. Tube set bonding. Airway management device assembly</li> </ul>	80~140	D65~D85	2,538	149
CSA4545-3	<ul style="list-style-type: none"> <li>No fluorescing</li> </ul>	240~360	D55~D75	2,596	180
CSA4545-7	<ul style="list-style-type: none"> <li>Suitable for applications that require fast cure, flexibility, high adhesion, and autoclave resistance</li> </ul>	560~840	D65~D75	2,161	176
CSA5185	<ul style="list-style-type: none"> <li>General bonding applications of medical devices</li> <li>Low-viscosity UV-curable adhesive</li> <li>Designed for bonding TPUs, plasticized PVC, SS etc. where large gap-filling capabilities and flexible joints are desired</li> </ul>	250~600	D65~D85	2,511	26.13
CSA5187	<ul style="list-style-type: none"> <li>General bonding applications of medical devices Airway management device assembly</li> <li>Low viscosity, cure at a rapid speed, high flexibility</li> <li>Designed for bonding TPUs, plasticized PVC, thermoset rubbers, etc. where large gap-filling capabilities and flexible joints are desired</li> </ul>	160~280	D55~D75	2,116	220.67
CSA5918	<ul style="list-style-type: none"> <li>Needle &amp; syringe bonding. Tube set bonding. Airway management device assembly</li> </ul>	3,500~6,500	D65~D85	4,351	149
CSA5919	<ul style="list-style-type: none"> <li>Medium viscosity, UV cure at a rapid speed</li> <li>Excellent adhesion to a wide variety of substrates including glass, most plastics, and metals</li> </ul>	6,500~12,000	D65~D85	4,786	190
CSA5921	<ul style="list-style-type: none"> <li>Low-viscosity UV-curable adhesive</li> <li>Suitable for bonding PC, PVC, TPU, SS, and other substrates</li> </ul>	103	D70	N/A	N/A
CSA6250	<ul style="list-style-type: none"> <li>Needle &amp; syringe bonding. Tube set bonding. Airway management device assembly</li> <li>One-component heat-curable epoxy adhesive with low-temperature curing</li> <li>Excellent adhesion to opaque glass, plastics, and metals</li> </ul>	83,000	D87	4,931	3.7

