



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"> Needle & syringe bonding Medium viscosity with a thixotropic nature to reduce the migration of liquid product after application Excellent adhesion to a wide variety of substrates including glass, most plastics, and metals 	3,750	D60	2,600	250
CSA4445	<ul style="list-style-type: none"> Needle & syringe bonding Low viscosity, transparent liquid, cure at a rapid speed Excellent adhesion to a wide variety of substrates including glass, most plastics, and metals 	120	D75	2,785	46
CSA4535	<ul style="list-style-type: none"> Needle & syringe bonding High viscosity with a thixotropic nature to reduce the migration of liquid product after application Excellent adhesion to a wide variety of substrates including glass, most plastics, and metals 	9,000	D55	2,118	132
CSA4545-1	<ul style="list-style-type: none"> General bonding applications of medical devices 	100	D75	2,538	149
CSA4545-3	<ul style="list-style-type: none"> No fluorescing 	300	D65	2,596	180
CSA4545-7	<ul style="list-style-type: none"> Suitable for applications that require fast cure, flexibility, high adhesion, and autoclave resistance 	799	D65	2,161	176
CSA5185	<ul style="list-style-type: none"> General bonding applications of medical devices Low-viscosity UV-curable adhesive Designed for bonding TPUs, plasticized PVC, SS, etc. where large gap-filling capabilities and flexible joints are desired 	430	D75	2,511	26
CSA5187	<ul style="list-style-type: none"> General bonding applications of medical devices Low viscosity, cure at a rapid speed, high flexibility Designed for bonding TPUs, plasticized PVC, thermoset rubbers, where large gap-filling capabilities and flexible joints are desired 	190	D65	2,116	221
CSA5728	<ul style="list-style-type: none"> General bonding applications of medical devices Exhibits high transparency after cure 	2,600	D78	2,175	81
CSA5728-3	<ul style="list-style-type: none"> Can be used for bonding and potting medical devices with high aesthetic requirements 	300	D85	6,382	5.2
CSA5918	<ul style="list-style-type: none"> General bonding applications of medical devices Medium viscosity, UV cure at a rapid speed 	4,700	D75	4,351	149
CSA5919	<ul style="list-style-type: none"> Excellent adhesion to a wide variety of substrates including glass, most plastics, and metals 	11,000	D75	4,786	190
CSA5921	<ul style="list-style-type: none"> General bonding applications of medical devices Low-viscosity UV-curable adhesive Suitable for bonding PC, PVC, TPU, SS, and othersubstrates 	103	D80	N/A	N/A
CSA5924	<ul style="list-style-type: none"> General bonding applications of medical devices Exhibits high transparency after cure Can be used for bonding and potting medical devices with high aesthetic requirements 	800	D77	2,277	1.5
CSA5933	<ul style="list-style-type: none"> Airway management device assembly Medium viscosity, 365nm cure in seconds Designed for bonding materials such as PC, PVC and SS where large gap-filling capacity and high transparency are required 	300	D80	5,802	8.1
CSA6250	<ul style="list-style-type: none"> General bonding applications of medical devices One-component heat-curable epoxy adhesive with low-temperature curing Excellent adhesion to opaque glass, plastics, and metals 	83,000	D87	4,931	3.7

