

## Medical Device Adhesives



**These Medical Device** adhesives are clear, two-part resin systems, which combines good handling characteristics with excellent cured properties. Their low viscosity allows good flow-ability and air release.

The cured adhesives has excellent bond to metals, ceramics, and many plastics used in **Medical Industries** such as acrylic, polycarbonate, PVC etc. They also have excellent water resistance, and are exceptionally resistant to thermal shock. They can be used as an adhesive or for potting, casting and encapsulating applications.

They are used on endoscopes, catheters, blood heat exchangers, syringes, and dental, surgical and orthopedic handheld, powered instruments.

*These adhesives are complies USP class VI requirements & are used for medical applications by our customers and have passed the stringent toxicity requirements.*

### Applications

- Endoscopes
- Ultrasound probes
- Catheters
- Blood Heat Exchanger
- Syringes
- Surgical Instruments



ISO 9001-2008 Certified

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## Selector Guide

### MEDICAL GRADE ADHESIVES

Product	Mixed Ratio by weight (R:H)	Mixed Viscosity @ 25C (cp)	Pot Life @ 25°C (20 grams)	Cure Schedule	Color Before/after cure	Refractive Index	Hardness Shore	Lap Shear Strength (psi)	Tg (°C)	CTE (below Tg) 10 <sup>-6</sup> /°C	Shelf life @ 25°C
EB-103F	1:1	5000-10,000	5 minutes	2 hrs @ 25°C	Clear/Clear	1.54	D-65	2000	43	52	1 year
EB-103M-5CL	2:1	600-1000	5-10 minutes	2-4 hrs @ 25°C	Clear/Clear	1.54	D-65	2000	45	80	1 year
EB-106	100:30	400-700	1-2 hrs	24 hrs @ 25°C 2 hrs @ 65°C	Clear/Clear	1.52	D-85	2100	65	40	1 year
EB-107LP-1	100:25	100-200	1-2 hrs	24 hrs @ 25°C 2 hrs @ 65°C	Clear/Clear	1.52	D-85	2100	65	40	1 year
EB-107LP-2	100:35	200-500	>6 hrs	24 hrs @ 25°C 2 hrs @ 65°C	Clear/Clear	1.53	D-80	2100	80	80	1 year
EB-109M-4	100:28	100-200	1 hr	24-48 hrs @ 25°C 2-3 hrs @ 65°C	Clear/Clear	1.544	D-50	2200	45	80	1 year
EB-109M-6	100:28	100-200	1 hr	24-48 hrs @ 25°C 2-3 hrs @ 65°C	Clear/Clear	1.54	D-70	2200	49	74	1 year
EB-109M-8	100:28	100-200	1 hr	24-48 hrs @ 25°C 2-3 hrs @ 65°C	Clear/Clear	1.53	D-25	1400	>100	30	1 year
EB-112LV-2	100:30	150-300	>4 hrs	2 hrs @ 100°C 1 hr @ 125°C	Clear/Clear	1.54	D-89	2100	130	52	1 year
EB-119SP	100:10	3000-5000	>4 hrs	30 min @ 100°C <5 min @ 150°C	Clear amber /Dark Red	1.57	D-85	2100	105	52	1 year
EB-119M	100:5	700-900	>8 hrs	5-10 min @ 150°C ½ hr @ 125°C	Clear/ Dark Red	1.56	D-91	2000	158	54	1 year
EB-119HT	100:10	3000	>8 hrs	5-10 min @ 150°C Or ½ hr @ 125°C	Clear/ Dark Red	1.56	D-88	1700	138	54	1 year
EB-177	1:1	150-300	24 hrs	1 hr @ 150°C	Clear amber /Dark Amber	1.52	D-88	1500	97	56	1 year
SC-416	100:10	2500-3500	4 hrs	1 hr @ 100°C	Clear/Clear	1.4	A-40	NA	NA	NA	1 year
SC-417	1:1	300-500	20 minutes	1 hr @ 100°C	Clear/Clear	1.4	A-23	NA	NA	NA	1 year

**DISCLAIMER:** All data given here is offered as a guide to the use of these materials and not as a guarantee of their performance. The user should evaluate their suitability for own purposes. Properties are typical and should not be used in preparing specifications. Statements are not to be construed as recommendations to infringe any patent.