



Advanced Polymers for Photonics

**Adhesives, Sealants,
Encapsulants, & Coatings
for:**

Optical Alignment

Adhesives in light path

High Optical Transmission

Fiber Bundles

Opto-Electronics

Sensors

Probes

Illumination



EpoxySet Inc. manufactures and supplies the highest quality advanced adhesives for the optical industry. These materials are specially formulated to bond to many engineered plastics as well as glass, ceramic, and metals. Optical clarity and low cure shrinkage are some of the most important criteria of the optical products for bonding lenses, glass and plastic fiber, prisms, optical sensors and LEDs.

Advanced adhesives are available pre-mixed and frozen, 2-part packaged as well as standard bulk packaging.

Extensive formulating experience allows us to quickly modify existing products to meet your special requirements.

Epoxyset Products for the Optical & Fiber Optic Industry

In addition to our extensive line of product for the optical industry, Epoxyset specializes in custom formulations. Our experienced team of chemists will help deliver you the product you need to meet your application needs.

PRODUCTS	CHEMISTRY	VISCOSITY (cPs)	CURE TYPE	WORK LIFE	REFRACTIVE INDEX*
EB-107LP-1	Epoxy	100-200	Ambient	2 hours	1.52
EB-107LP-2	Epoxy	200-500	Ambient	8 hours	1.53
EB-109M-4	Epoxy	800-1,000	Ambient	1 hour	1.54
EB-153	Epoxy	3000-5000	Heat	5 hours	1.57
EB-130M-1	Epoxy	500-700	Ambient	40 minutes	1.54
EB-135	Epoxy	4,000-7,000	Ambient	30 minutes	1.54
EB-119M	Epoxy	800-1,200	Heat	8 hours	1.57
EB-177	Epoxy	200-300	Heat	12 hours	1.52
UV-6502CL	UV Epoxy	200-300	UV/LED	NA	1.52
UV-8504E	UV Epoxy	400-600	UV/LED	NA	1.57
SETWORX UV-35G	Epoxy/UV Hybrid	4,000-7,000	UV Light/ Ambient	30 minutes	1.56
SC-416	Silicone	2,500-3,500	Ambient	4 hours	1.41
SC-417	Silicone	300-400	Ambient	30 minutes	1.41

*Refractive index values tested at 589nm on uncured materials.

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Note: All values shown are typical. Because the conditions of use are beyond our control and can significantly affect the results obtained from the material listed above, all recommendation and suggestions are made without guarantees or warranties.

Rev. 2