

EpoPro® 2-Part Epoxy Potting & Encapsulating Materials Selector Guide

	Mix Ratio A:B (By Wt.)	Mix Ratio A:B (By Vol.)	Mixed Viscosity @ 77°F (cps)	Hardness (Shore)	Pot Life (min.)	Cure Cycle	Tensile Strength, psi (% elongation)	Volume Resistivity (ohms-cm)	Thermal Conductivity (w/mK)	Color*	Applications / Special Features
EpoPro 221A/HY 956	100A:20B	100A:22B	400	70D	60 – 90	36 – 48 hrs. at RT	200 (55%)	2.4 E 13	0.18	Clear Yellow	Low viscosity, soft, semi-rigid material. Excellent for pressure sensitive devices, magnetic elements, modules, and proximity switches
EpoPro 2300A/HY 956◊	100A:20B	100A:22B	1000	76D	60	24 hrs. at RT	7000 (17%)	3 E15	0.18	Clear Yellow	Filters, modules, sensors, capacitors, coils, submersible pumps, etc.
EpoPro 240A/B ◊	100A:100B	100A:90B	65,000	88D	>8 hrs.	2-4 hrs. at 150C	12,000 (2%)	1 E16	0.78	Translucent	High temperature encapsulant good for up to 200C continuous use. Impact resistant. Exceptional environmental and chemical resistance.
EpoPro 240A/HY 956◊	100A:10B	6A:1B	18,000	85D	45	24 hrs. at RT	6,000 (2%)	2 E15	0.66	Translucent	Tough encapsulant. Impact and thermal cycling resistant with excellent mechanical properties. Machinable.
EpoPro 243A/HY 2966◊	100A:11B	100A:20B	4,000	78D	40	24 hrs. at RT	2100 (15%)	2.4 E14	0.50	Off-white	UL94VO flame retardant. Good chemical resistance. For voltage regulators, relays, resistors, transformers, modulus, and switches
EpoPro 251A/C	100A:30B	100A:50B	4000	95D	>6 hrs.	2.5 hrs. at 90C + 2.5 hrs. at 140C	8,700 (1.1%)	3.9 E15	0.65	Black	Ignition coils and high voltage transformers. Exceptional heat & chemical resistance
EpoPro 255/B ◊	100A:18B	3A:1B	8000	77D	35	24 hrs. at RT	580 (1%)	7 E15	0.12	Reddish	Low density, self-rising foam encapsulant. Cured density 0.5g/ml. Low pressure & low weight
EpoPro 264A/264-2B	100A:50B	100A:50B	11000	85D	50	24 hrs. at RT	4800 (4%)	1 E15	0.60	Black	Mil-I-16923 and A-A-59877 compliant. Tough, impact resistant encapsulant. Good Balance of properties
EpoPro 266A/B	100A:35B	100A:50B	2500	85D	>8 hrs.	3 hrs. at 110C	5800 (1.5%)	1 E15	0.51	Beige	UL 94VO flame retardant. High Voltage Devices – transformers, capacitors, connectors, sensors, etc. Excellent high temperature & chemical resistance
EpoPro 270A/B ◊	1A:1B	1A:1B	2,700	75D	25	24 hrs. at RT	2500 (30%)	2.6 E15	0.18	Black	Multipurpose, unfilled, low viscosity, good air release and gloss. , Good moisture & environmental resistance. Good vibration resistance
EpoPro 271A/B ◊	1A:1B	1A:1B	14,000	80D	50	24 hrs. at RT	1400 (17%)	3.9 E15	0.58	Black	Multipurpose, filled, UL 94VO flame retardant, Good moisture & environmental resistance. Good vibration resistance
EpoPro 272LV-A/B ◊	1A:1B	1A:1B	5,800	82D	25	24 hrs. at RT	2000 (10%)	4 E15	0.60	Black	Multipurpose, economical, strong, rigid, filled, system. Good moisture & environmental resistance.
EpoPro 273A/B	100A:60B	100A:85B	2000	60A	>8 hrs.	1 hrs. at 100C	450 (100%)	1 E15	0.28	Black	Flexible encapsulant, low work-life, but fast heat cure. Good for modules, sensors and pressure sensitive devices. UL94HB .
EpoPro 276A/B	100A:34B	100A:37.5B	950	82D	150	48 hrs. at RT	7500 (7%)	1 E16	0.18	Clear yellow	Low viscosity, tough polymer with excellent cryogenic performance. For impregnation, bonding, and potting applications.
EpoPro 283A/B	100A:25B-30B	100A:50B	4800 -6400	78D	50	24 hrs. at RT	2100 (25%)	1.2 E15	0.65	Black	UL 94VO flame Retardant. Low Shrinkage/low stress.
EpoPro 8704A/B◊	100A:7B	100A: 16.5B	25,000	85D	90	24 hrs. at RT	7500 (2%)	1 E 15	1.3	Gray	Heat & Chemical Resistant Adhesive with heat resistance up to 150C
EpoPro 8704A/9029B									1.0	Black	Excellent Combination of Mechanical Strength and Thermal Conductivity. Performs well up to at least 150C and as high as 200C in some applications.
EpoPro 8773A/B	1A:1B	100A:135B	7,000	60D	>8 hrs.	3 hrs. @ 110C	1000 (45%)	1.5 E14	0.41	Black	Good Performance up to 155C continuous. Ideal for focus Resistors and Pressure Sensitive Devices
ASTM Test Method			D-2393	D-2240	D-2471			D-638	D-638		

* Most Colors can be customized with clear or opaque tints or colorants. Also many of the gel times and other properties can be customized to meet your needs.