

Epoxy for Fiber Optic Connectors

- Easy-to-Use 2 g BI PAX®
- Enough Epoxy for 25 - 30 Connectors per Pack
- Sold in Packs of 10



These pre-measured 2 g packets of two-part epoxy are specifically formulated to produce low-stress fiber optic terminations.

F112* – Long Pot Life, Room Temperature Cure

The F112 epoxy is an ideal epoxy for making room temperature terminations. The long 30 minute pot life allows more connectors to be produced from one mix.

F120* – Fast Room Temperature Cure

The F120 epoxy provides a combination of fast cures and low shrinkage for quick high-performance fiber optic connections. At room temperature, the connectors are ready for polishing within 30 minutes; however, fully matured bonds require up to 48 hours.

F123 – Color-Keyed High Temperature Cure

The F123 has a unique three-step color-change formulation: unmixed components are light yellow, the mixed color is green, and after the required 100 °C high-temperature cure, the color is a deep reddish-amber.

*Not recommended for hard polymer clad fiber.

ITEM #	\$/PKG.	£	€	RMB	POT LIFE	TYPICAL CURE SCHEDULE	OPERATING TEMPERATURE	CURED COLOR
F112*	\$ 88.95	£ 64.04	€ 77.39	¥ 708.93	30 Minutes	15 Minutes @ 90 °C 1 Hour @ 65 °C 24 Hours @ 25 °C	-60 to 120 °C	Blue
F120*	\$ 37.60	£ 27.07	€ 32.71	¥ 299.67	5 Minutes	1 Hour @ 65 °C 24 Hours @ 25 °C	-60 to 115 °C	Straw
F123	\$ 85.98	£ 61.91	€ 74.80	¥ 685.26	4 Hours	5 Minutes @ 100 °C	-60 to 175 °C	Reddish-Amber

*Not recommended for hard polymer clad fiber.

High-Temperature and Low CTE Epoxies

- Packages of 10

EPO-TEK 353ND is known industry wide as a high-temperature epoxy. This two part, 100% solid, heat-curing epoxy can be used in applications requiring constant performance at 200 °C, and it can handle 300 - 400 °C for brief periods. Additionally, 353ND can be used in UHV environments. Thorlabs offers 353ND in pre-measured 4-gram packs, eliminating the need for measuring while providing repeatable performance.

Cure Schedule

150 °C: 1 minute
120 °C: 2 - 5 minutes
100 °C: 5 - 10 minutes
80 °C: 15 - 30 minutes



353NDPK
Sold 10 per Pack

ITEM #	\$	£	€	RMB	POT LIFE	OP. TEMP RANGE	CURED COLOR	DESCRIPTION
353NDPK	\$ 68.34	£ 49.20	€ 59.46	¥ 544.67	3 - 4 Hours	-50 to 200 °C	Dark Red	353ND, 4 g Bi-Pack, 10 per Pack

Syringes for Epoxy Application

- Package of 10 Syringes
- 3 cc Volume per Syringe

These syringes are used to inject epoxy through the back of the connector. Each pack contains 10 syringes.



ITEM #	\$	£	€	RMB	DESCRIPTION
MS403-10	\$ 10.20	£ 7.34	€ 8.87	¥ 81.29	Disposable Syringe, 10 per Pack