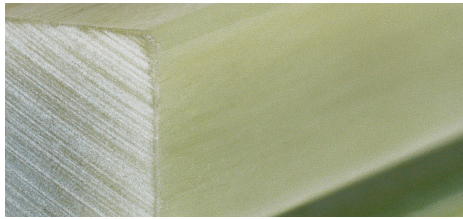
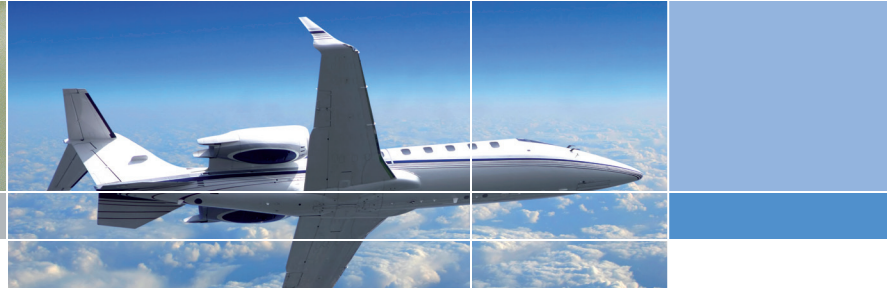


Pultrusion



EPIKOTE™ / EPONOL™ Resin Systems and EPIKURE™ Curing Agents and Catalysts



Hexion Inc. (Hexion) offers a wide range of epoxy and phenolic resin systems suitable for the manufacture of very high-performance profiles. Thanks to their low viscosity and with the use of special additives, these resin systems exhibit excellent wetting and impregnating properties. Some contain a highly active internal release agent as well.

Hexion offers pultrusion systems featuring:

- Amine or anhydride cure
- Good chemical resistance
- High Tg
- Various viscosities
- Various reactivities

Whichever system you choose, Hexion backs it with ongoing R&D, an experienced technical support team and the global production infrastructure of one of the world's leading specialty chemical companies. You can be assured of reliable supply and consistent product quality wherever you do business.

An Overview of Pultrusion

The pultrusion process is used for continuous production of fiber-reinforced profiles with constant cross sections. Reinforcing materials such as glass, carbon or aramid fibers are impregnated with a resin/curing agent system in a dipping bath or by injection. The reinforcements are then pulled through a heated shaping die. Chopped glass fiber mats, felts or fillers may also be added to enhance the transverse stiffness and surface quality. At the end of the process, the pultruded element is cut to the desired length.

EPIKOTE™ Epoxy Resin Systems / EPIKURE™ Curing Agents and Catalysts / EPONOL™ Phenolic Resin Systems										
	Curing cycle [min]	Curing temperature [°C]	Service temp. [°C]	Notes	EINECS (Europe)	TSCA (USA)	DSL / NDSL	ECL (Korea)	ENCS (Japan)	IECSC (China)
Epoxy Resin Systems										
EPIKOTE Resin 04976 EPIKURE Curing Agent 04976 EPIKURE Catalyst 04976	8	180 – 200	120	Standard anhydride cured.	• • •	+ + +	+ + +	+ + +	+ + +	+ + +
EPIKOTE Resin 827 EPIKURE Curing Agent 3402	10	230 – 250	190	Medium viscosity, high chemical resistance, high Tg.	• •	+ +	+ +	+ +	+ -	+ +
EPIKOTE Resin 6002 EPIKURE Curing Agent 3601 EPIKURE Catalyst 3253	4	150 – 220	140	Standard anhydride cure, adjustable reactivity, low viscosity, easy transition from PE / VE to epoxy systems.	• • •	+ + +	+ + +	+ + +	+ + +	+ + +
EPIKOTE Resin 828 LEVEL EPIKURE Curing Agent 3601 EPIKURE Catalyst 3253	6	180 – 200	130	Standard anhydride cure, adjustable reactivity, low viscosity.	• • •	+ + +	+ + +	+ + +	+ + +	+ + +
Phenolic Resin System										
EPONOL Resin 2509 EPONOL Resin 2501/B	2	170 – 200	190	Good surface.	• •	+ +	+ +	- -	+ -	- -

• listed, non-excluding polymers, + listed, - not listed

Hexion: Helping you make it in today's world.

Our global team produces the best in specialty chemicals and performance materials and provides the technical expertise to customize them to your exact needs. The result? Specific solutions, not generic products, leading to thousands of breakthroughs that improve bottom lines and enhance lives.

Reach our Global Customer Service network at:

U.S., Canada and Latin America

+1 888 443 9466 / +1 614 986 2497

E-mail: 4information@hexion.com

Europe, Middle East, Africa and India

+800 836 43581 / +40 212 534 754

E-mail: 4information.eu@hexion.com

China and Other Asia Pacific Countries

+800 820 0202 / +60 3 9206 1551

+60 3 9206 1543

E-mail: 4information.ap@hexion.com

Please refer to the literature code HXN-510 when contacting us.



World Headquarters

180 East Broad Street
Columbus, OH 43215-3799

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HXN-510 02/15.

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