

Resin Comparison



the fantastic plastic place

		gel time (minutes)	viscosity	thixotropic (vertical surfaces)	surface cure	heat resistance (fahrenheit)	chemical resistance	UV resistance	cure clear	shrinkage	adheres to metal	adheres to plastic	odor	flexible or rigid	cures in cold weather	can be thinned	best with Carbon/Kevlar	must ship UPS ground
POLYESTER	Bond Coat (Catalyst Indicator Dye)	18-20	thin	●		155°	med ²			7-9%		●	pungent	rigid		●		●
	High Strength Isophthalic	17-19	thin	●		210°	good ²			7-9%		●	pungent	rigid		●		●
	Vinyl Ester ¹	22	thin	●		241°	excellent ²			7-9%		●	pungent	rigid		●	●	●
	Surfboard	7-10	thin			140°	med ²	●	●	7-9%		●	pungent	rigid		●		●
	Gel Coat	10-15	med	●		155°	med ²	●		7-9%		●	pungent	rigid		●		●
	Casting Resin	15-30	thin			155°	med ²	●	●	7-9%		●	pungent	rigid		●		●

EPOXIES	1 to 1 General Purpose	10-15	med		●	115°	good			<1%	●		very mild	rigid			●	●
	4 to 1 Super Hard	12-15	med		●	165°	excellent			<1%	●		very mild	rigid	●		●	
	102 Fast Marine	12-15	med		●	165°	excellent			<1%	●		nil	rigid	●		●	
	109 Med Marine	20-30	med		●	145°	good		●	<1%	●		nil	rigid			●	
	143 Slow Marine	25-30	thin		●	125°	excellent			<1%	●		nil	some flex	●		●	
	Coat-It	30	thick		●		good			<1%	●		mild	rigid				●
	Ultra Glo	30-90	med		●	100°	med		●	<1%	●		nil	flexible				●

¹Seasonal product, not always available

²When properly surface cured.