

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.