

#### System Three Resins, Inc.

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# TECHNICAL DATA SHEET

# General Purpose Epoxy Resin

#### **DESCRIPTION:**

This is the most versatile of the System Three® epoxy-based products, being useful for coating, bonding, fiberglassing, a putty or filler base, and numerous others. It is a solvent-free, unfilled, medium-modulus epoxy system. The resin is formulated for use with any of three hardeners. System Three General Purpose resin has excellent pot life and cure-time control. Refer to "The Epoxy Book" for complete instructions on its many uses.

#### **RESIN PROPERTIES:**

Viscosity @ 25°C(77° F)	ps
Specific Gravity	10
Color	ar

## **HARDENER PROPERTIES:**

Viscosity @ 25°C(77° F) cps Specific Gravity Color

#### **MIXED SYSTEM PROPERTIES:**

Mix ratio by weight resin/hardener Mix ratio by volume resin/hardener Working time @ 25° C Tack-free time @ 25° C Recommended min. app. temp.

Hardener #1	Hardener #2	Hardener #3
1100	900	350
0.95-0.97	0.95-0.97	0.95-0.97
Light Amber	Medium Amber	Dark Amber
100/44	100/44	100/44
100/50	100/50	100/50
15 min.	30 min.	60 min.
2 hours	4-6 hours	8 hours
35°F	55°F	75°F

### **TYPICAL CURED PROPERTIES:**

Tensile Strength, psi (ASTM D638)	7,500
Tensile Elongation (ASTM D638)	
Tensile Modulus, psi(ASTM D638)	
Flexural Strength, psi(ASTM D790)	
Flexural Modulus, psi(ASTM D790)	
Heat Deflection Temperature, ° F	
CompressiveStrength, psi(ASTM D695): at yield	
at failure	
Maximum Service Temperature	160°F

Sizes available: RESIN(Part A): 1 quart/ 1 gallon/ 5 gallon

HARDENERS (Part B): 1 pint/ 1 quart/ 1/2 gallon/ 1 gallon/ 21/2 gallon/ 5 gallon

For health and safety information concerning this product, refer to the MSDS sheets for System Three General Purpose Resin and Hardeners. MSDS sheets are available on our website at www.systemthree.com, or by calling or writing System Three Technical Support.

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Helping you put it all together