3500 W. Valley Hwy. N. Suite 105; Auburn WA 98001
TECHNICAL SUPPORT: 253-333-8118

TECHNICAL DATA SHEET

SYSTEM THREE® MULTI-PURPOSE EPOXY RESIN

DESCRIPTION:

This is the "workhorse" of the System Three resins stable, fitting well into over 90% of all epoxy applications. It is a solvent-free, unfilled, medium-modulus epoxy system. The resin is formulated for use with any of three hardeners. System Three® 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). . . . . 550 cps
Specific Gravity 1.10
Color . . . . . Clear

HARDENER PROPERTIES:

MIXED SYSTEM PROPERTIES:

	Hardener #1	Hardener #2	Hardener #3
Viscosity @ 25°C(77° F) cps	1100	900	350
Specific Gravity	0.95-0.97	0.95-0.97	0.95-0.97
Color	Light Amber	Medium Amber	Dark Amber
Mix ratio by weight resin/hardener	100/44	100/44	100/44
Mix ratio by volume resin/hardener	2/1	2/1	2/1
Working time @ 25° C	10 min.	25 min.	60 min.
Tack-free time @ 25° C	2 hours	4-6 hours	8 hours

Maximum Service Temperature . . . . . 160°F

TYPICAL CURED PROPERTIES:

Tensile Strength, psi (ASTM D638) 7,500
Tensile Elongation (ASTM D638). 11%
Tensile Modulus, psi(ASTM D638) 325,000
Flexural Strength, psi(ASTM D790) 12,500
Flexural Modulus, psi(ASTM D790) 350,000
Heat Deflection Temperature, ° F 119
CompressiveStrength, psi(ASTM D695): at yield. 12,000
at failure 12,500

Sizes available: Resin is packaged in containers from one U.S. quart (32 oz.) to 55-gallon drums. Hardeners are packaged in containers from one U.S. pint to 55-gallon drums.

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

The information contained herein is based on the data available to us and is believed to be correct. However, System Three Resins, Inc. makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. System Three assumes no responsibility for injury from the use of the product described herein.