

**TECHNICAL DATA SHEET**  
**AQUA CLEAR – COMP B – RESIN** Rev. 9/30/06

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Aqua Clear B – Resin is a 100% reactive low viscosity liquid bisphenol-A based epoxy resin diluted with an Alkyl glycidyl ether. This resin is specially designed for applications requiring low viscosity, minimum odor and good color.

Property	Test Method	Unit	Value
Epoxide Equivalent Wght	ASTM D1652	q/eq	195 – 215
Viscosity @ 25 degrees C	ASTM D445	P	5 – 7
Color	ASTM D1544	Gardner	1 max.
Physical Form			Clear Liquid
Pounds per gallon @ 25 degrees C		lbs/gal	9.2
Density @ 25 degrees C		q/ml	1.1
Flash Point	ASTM D93	F	>240
Specific Heat		BTU/lb	0.45

Performance Properties:

Units                      PERFORMANCE

Aqua Clear B                      pbw - 100

Handling Properties

Pot Life ½ pint	minutes	136
Initial Viscosity	cP	460
Cure Schedule	Hours/ F	4/77+2/302

Tensile Properties @ 25 C

Ultimate Strength	psi	7.800
Ultimate Elongation	%	5.3
Modulus	ksi	410

Flexural Properties, @ 25 C

Strength	psi	14,000
Modulus	ksi	420

Tg by DSC

C (F)                      77 (171)

Chemical Resistance, % by wght gain

Acetone, 3 hrs @ 56 C	%	0.5
Water, 24 hrs @ 93 C	%	3.0



