



## Epoxy Bond 440 Technical Data Sheet

Epoxy Bond 440 is an epoxy adhesive with greater flexibility for increased bond strength to a wide variety of surface sustaining dynamic loads. The light color and excellent resistance to blush make it suitable as a base resin system for castings and coatings as well.

### PHYSICAL PROPERTIES

Mix ratio by weight		3:2
Viscosity	cps	2250
Color		Clear
Pot life in a 100 gram mass	min	34
Peak exotherm 100 gram mass	°C	205
Specific gravity		1.15
Heat deflection temperature	°C	48
Tensile strength	psi	5,349
Tensile modulus	10 <sup>6</sup> psi	.276
Tensile elongation	%	16
Hardness 24 hours cure	shore D	68
Hardness 168 hour cure	shore D	77
Izod impact	ftlb/in	.606
Flexural strength	psi	7,997
Flexural modulus	10 <sup>6</sup> psi	.253
Flexural deflection	inches	>.60
Water weight gain 24 hours	%	.42
Water weight gain 168 hours	%	.89