

**TYPICAL PROPERTIES**

(To be used as a guideline only)

NUMBER OF COMPONENTS ..... Two

MIXING RATIO	PARTS BY WEIGHT
Part "A" .....	100
Part "B" (hardener) .....	10

CURE SCHEDULE (minimum bond line temperature - use one of the following)

150°C .....	5 minutes
120°C .....	10 minutes
100°C .....	30 minutes

**PHYSICAL PROPERTIES**

Color .....	Tan
Consistency .....	smooth, thixotropic paste
Specific Gravity (mixed) .....	1.14
Part "A" .....	1.16
Part "B" .....	1.02
Viscosity (mixed) @ 50 rpm/23°C .....	4,000 - 6,000 cPs
Glass Transition Temp. (T <sub>g</sub> ) cured @ 150°C/1 hour .....	> 80°C
Coefficient of Thermal Expansion Below T <sub>g</sub> .....	82 x 10 <sup>-6</sup> in/in/°C
Above T <sub>g</sub> .....	122 x 10 <sup>-6</sup> in/in/°C
Shore D Hardness .....	86
Degradation Temperature .....	425°C
Lap Shear Strength (Al to Al) .....	2,440 psi
Tensile Strength .....	10,000 psi
Percent Elongation .....	4.2
Flexural Strength .....	18,000 psi
Heat Deflection Temp. ....	150°C
Water Absorption 24 hr. 77°F .....	0.05%
2 hr. 212°F .....	0.1%

**ELECTRICAL PROPERTIES**

Volume Resistivity .....	3.88 x 10 <sup>-14</sup>
Dielectric Strength .....	450 V/mil
Dielectric Constant (1 megacycle) .....	3.7
Power Factor (1 megacycle) .....	0.003
Loss Factor (1 megacycle) .....	0.009

**OPTICAL PROPERTIES**

Spectral Transmission (0.0005") > 95% .....	7,200 - 9,000 Å
> 50% .....	5,500 Å
POT LIFE .....	At least 8 hours
SHELF LIFE	

One year when stored at room temperature.

DO NOT REFRIGERATE

EPO-TEK 360T is a two component, soft but highly thixotropic epoxy with non-flowing characteristics. The 100% solids epoxy system is designed for use in production applications where a long pot life, a short cure cycle and good handling properties are highly desirable. A unique feature of EPO-TEK 360T is the dark red color that appears on curing. Cure by color instead of time. This color changing characteristic can be very desirable as a quality control tool in production applications.

EPO-TEK 360T is a very reactive system only when heat is applied. It is therefore recommended to be used primarily in thin and thick film applications - adhesives, sealants, coatings, inks and in laminating.

EPO-TEK 360T can be applied by brush, spatula, screen printing and letter press techniques as 100% solids — no solvents or thinners are used. It can be used in the 400°F range.

EPO-TEK 360T has good adhesion to many different types of substrates including metals, ceramics, glass and most plastics. It is highly recommended for bonding \* NOMEX to NOMEX, and NOMEX to copper and aluminum.

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**Zur Beachtung:**

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Änderungen vorbehalten / Stand : 29.07.2004

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