

SPECIFICATIONS

NUMBER OF COMPONENTS

Two

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

CURING SCHEDULE (thin or thick films only -
glue line temperature)

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

ELECTRICAL PROPERTIES

Dielectric Strength	450 V/mil
Dielectric Constant	3.7
(1 megacycle)	
Volume Resistivity	3.88×10^{14}
Power Factor	0.003
(1 megacycle)	
Loss Factor	0.009
(1 megacycle)	

PHYSICAL PROPERTIES

Lap Shear Strength	2440 psi
(aluminum to aluminum)	
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%

VISCOSITY

Parts "A" and "B" mixed (75°F)- 400 cps

POT LIFE

At least 8 hours

SHELF LIFEOne year when stored at room temperature.
REFRIGERATION NOT REQUIRED

EPO-TEK 360 is a two component, unfilled, very low viscosity epoxy with good wetting 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 360 is the 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 360 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. It can also be used as a binder for many different types of metallic and oxide pigments.

EPO-TEK 360 can be applied by brush, spatula, dipping or with a medicine dropper and can be used in the 400°F range. EPO-TEK 360 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. Other applications include repairing plastic radomes, special printed circuits and magnetic coatings.

* Registered Trademark - DuPont

Zur Beachtung:

Vorstehende Angaben können nur allgemeine Hinweise sein. Bei den aufgeführten Eigenschaften und Leistungsmerkmalen handelt es sich um circa-Werte, diese sind nicht Teil der Produktspezifikation. Wegen der außerhalb unseres Einflusses liegenden Verarbeitungs- und Anwendungsbedingungen und der Vielzahl unterschiedlicher Materialien empfehlen wir, in jedem Fall zunächst ausreichende Eigenversuche durchzuführen. Eine Haftung für konkrete Anwendungsergebnisse kann daher aus den Angaben und Hinweisen in diesem Merkblatt nicht abgeleitet werden.

Mit Erscheinen dieser Ausgabe verlieren alle vorhergehenden technischen Merkblätter ihre Gültigkeit. Sicherheitsrelevante Daten können dem Sicherheitsdatenblatt entnommen werden.

Änderungen vorbehalten / Stand : 29.07.2004

Polytec GmbH

Polymer Technologien Polytec-Platz 1-7 76337 Waldbronn Germany

Tel. ++49 (0) 7243 604-175 Fax ++49 (0) 7243 604-382

E-mail: pt@polytec.de <http://www.polytec.de>