

TECHNO POTTING™ 3046

Polyurethane potting resin

MIXING RATIO
2.8A : 1B
by volume

CHARACTERISTICS

Low viscosity allowing
maximum infiltration of
interstices

Low exothermic temperature

Very low linear shrinkage

Good chemical resistance

Can be easily mixed and
distributed mechanically

Can be used with TECHNO
FILLER™ 180 and TECHNO
FILLER™ 162 filler agents

Fast handling time

Contact
POLYMÈRES TECHNOLOGIES
for more information :
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DESCRIPTION

TECHNO POTTING™ 3046 is a 100% solids, two-component polyurethane system primarily used for potting electrical and electronic components exposed to harsh environments.

Its high adhesion to metal and rigid plastic makes it ideal for sealing components to protect them from environmental elements such as moisture and certain chemicals.

With a relatively low viscosity and exothermic reaction, TECHNO POTTING™ 3046 is particularly recommended for encapsulating complex shaped parts with different cavity thicknesses.

This system also meets the European RoHS (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment) standard, making it a safe system for the user and the environment.

INSTRUCTIONS

TECHNO POTTING™ 3046 can be used manually, but its short shelf life must be taken into consideration (e.g., amount of mix required and time of use).

The ideal method of use is with an automated dispenser/mixer for continuous use. Periodic cleaning of the equipment is required, and T-901 solvent can be used to clean uncured material.

Uncured material can be cleaned using our environmentally friendly POLY CLEANER™.

TYPICAL PROPERTIES (AT 22 °C/72 °F)	PART A	PART B	MIXTURE
VISCOSITY (Brookfield (cps))	6,000	200	2,200
COLOR	Grey	Amber	Grey
DENSITY (g/cm ³)	1.66	1.24	1.55
MIXING RATIO BY VOLUME	2.8	1	2.8/1
MIXING RATIO BY WEIGHT	100	27	100/27
POT LIFE (250 g mass)	10 minutes		
EXOTHERMIC TEMPERATURE (ASTM D 2471-71)	75°C		
HARDNESS (ASTM D 2240)	76 Shore D		

PRECAUTIONS

- FOR INDUSTRIAL USE ONLY.
- Consult material safety data sheet prior to use.
- Normal health and safety measures should be observed when handling this product.
- Ensure good ventilation.
- Wear gloves, safety glasses, and protective clothing.
- Do not use part A without its part B, and vice versa. Mix parts A and B separately before use.
- Once the container is opened, POLYMÈRES TECHNOLOGIES can no longer be held responsible for this product.
- Shelf life of this product in original containers is one (1) year from the date of purchase, under recommended storage conditions.
- Sealing the lid: several resins are sensitive to ambient humidity. In order to preserve the product, make sure to cover the product under a nitrogen atmosphere. Store partial containers of part B under dry nitrogen atmosphere with TECHNO DRY™ 7477.
- Keep from freezing. Store this product at 22 °C (72 °F).

It is recommended to follow provincial and federal safety regulations. In case of eye contact, rinse well with water. In case of skin contact, rinse with soap and water. Keep away from children.

ASSUMPTION OF RISK

The customer assumes all risk and liability for the results obtained by the use of any POLYMÈRES TECHNOLOGIES product, including, without limiting the generality of the foregoing, the use of the CHILL EPOXY™ line of products, and the use of any process, whether in terms of general effectiveness, success, or failure, and regardless of any oral or written statement made by way of technical advice or otherwise, related to the use of any POLYMÈRES TECHNOLOGIES product.

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