



**POLYMERES**  
technologies

# TECHNO POTTING 8110

THIXOTROPIC EPOXY  
potting compound

## DESCRIPTION

**TECHNO POTTING 8110** is a two part 100% solids epoxy material specifically formulated for sealing application of electric and electronic pieces requiring optimum protection against weathering, humidity and condensation.

Its high thixotropy allows to form a protective dome on components that require specific protection on integrated circuits.

This system meets the ROHS European standard which means "Restriction of the use of certain Hazardous Substances in electrical and electronic equipment". This makes the product safe for both the user and the environment as well.

## CHARACTERISTICS

- Excellent durability
- Minimal shrinkage
- Insoluble
- Easy to use
- Fast setting

## APPLICATIONS

Pieces to receive **TECHNO POTTING 8110** must be clean, free of dust and any contaminants.

It is recommended to mix parts "A" and "B" separately before using to insure complete homogeneity.

Mix well **2** parts "A" by volume to **1** part "B" by volume until complete homogeneity. Scrape well sides of mixing container to prevent non or badly catalysed resin.

Uncured material can be cleaned with the solvent **D-201**.

Please consult **POLYMERES TECHNOLOGIES** for more details based on your application.

## TYPICAL PROPERTIES (at 22°C)

		<b>PART A</b>	<b>PART B</b>	<b>MIXED</b>
Viscosity	Low shear	600 000	100 000	100 000
	High shear	60 000	30 000	12 500
Thixotropic rating	Low shear	10	3	8
	High shear			
Density	ASTM D-1475 (g/cm <sup>3</sup> )	1.16	1.04	1.12
Mixing Ratio	1. By weight	100	44	100/44
	2. By volume	2	1	2/1
Color	Visual	Colored	Cloudy	Colored
Pot life	ASTM D 2471	30 minutes		

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**PHYSICAL PROPERTIES** (solid state) 7 days after cure at 22°C

TEST	METHOD	RESULTS	
Hardness	ASTM D 2240	Shore D	80
Tensile strength	ASTM D 638M TYPE IV	MPa*	34
Compressive Strength	ASTM D 695	MPa	45
Flexural Strength	ASTM D 790	MPa	28

**PRECAUTIONS**

- Consult Material Safety Data Sheet prior to use.
- Ensure proper ventilation.
- Do not apply if temperature is below 13°C (55°F)
- The ambient air must be relatively dry and temperature above 13°C (55°F); relative humidity must be below 70%.
- Shelf life of product in original closed containers is **one (1) year**.
- Once the container is opened **POLYMÈRES** has no control or responsibility for the shelf life.
- 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.

**GUARANTEE**

Seller makes no warranty of any kind, express or implied, as to the merchantability, fitness for any particular purpose, or any other matter with respect to the product **TECHNO CAST 8110**. Since conditions of use are beyond seller's control, buyer assumes all risk of use of this product. Under no circumstances will seller be liable for consequential or incidental damages arising out of the use of this product. Seller's sole obligation shall be to replace the product if found to be defective. It is the user's responsibility to determine the suitability for use of this product under the conditions present at the time of application. M.S.D.S. available upon request.

\* 1 MPa = 145 lb