



## DESCRIPTION

**TECHNO POTTING 3055 TX is a two-component, 100% solids elastomeric potting resin.**

**TECHNO POTTING 3055 TX is primarily formulated for the protection of electrical and electronic components that must be effectively safeguarded in harsh environments such as humidity, water immersion, and thermal shock, while also providing strong adhesion to metal, nylon, PVC, and other types of enclosures. Its level of thixotropy allows it to form a slight dome when poured onto a flat surface and prevents it from flowing between the component and the perimeter of the housing.**

**This system also complies with the European RoHS directive ("Restriction of the use of certain Hazardous Substances in electrical and electronic equipment"), meaning it restricts the use of certain hazardous substances in electrical and electronic equipment, making it a safe system for both users and the environment.**

## CHARACTERISTICS

- Economical
- Waterproof
- High wear resistance
- Flexible with good tensile/elongation & tear strength
- May be used as an elastomeric potting compound for electrical parts

## APPLICATIONS

It is recommended to stir part **A**, as some material settling may occur in the containers before adding part **B**.

Add **42.6** parts **B** to **100** parts **A** (or **1** Part **B** to **3** Parts **A** by **volume**) by weight and mix well until the colour is uniform.

Ensure to minimize air entrapment while mixing.

The use of **TECHNO RELEASE 113** is recommended to facilitate the demoulding operation.

Non cured material can be cleaned with the solvent **T-905**.

Moulds can be heated to accelerate the demoulding operation.

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	Brookfield (cps)	12 500	75	± 6 000
Consistency		Thixotropic	Liquid	Thixotropic
Specific gravity	ASTM D 1475 (g/cm <sup>3</sup> )	0.99	1.24	1.05
Mixing Ratio	1. By weight	100	42.6	100/42.6

	2. By volume	3	1	3/1
Color		Colored	Brown	Colored
Pot life		30 minutes		
Peak exothermic temp.	ASTM D 2471	65-70°C		
Demoulding time		6-12 hours		
Full cure		7 days <sup>1</sup>		

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

TEST	METHOD	RESULTS	
Hardness	ASTM D 2240	Shore A	80
Tensile strength	ASTM D 638 TYPE IV	MPa <sup>1</sup>	3
Elongation at break	ASTM D 638 TYPE D	%	150
Tear strength	ASTM D 624 DIE C	N/mm	15
Water Absorption	ASTM D 570	%	0.40

**PRECAUTIONS**

- Consult Material Safety Data Sheet prior to use.
- Normal health and safety precautions should be observed when handling these products :
  - Ensure good ventilation
  - Wear gloves, safety glasses and waterproof clothes.
- Do not mix more material than it is possible to apply within the recommended pot life which is 30 minutes.
- Do not apply at temperature lower than 13°C (55°F) and relative humidity higher than 80%, as some surface micro bubbling may occur.
- Shelf life of product in original closed containers is **one (1) year**.
- **RESEALING:** Many polymers are moisture sensitive, reseal, using one of the following two (2) methods: blanket with nitrogen or use a hair dryer for 30 seconds to cover with dry air **TECHNO DRY 7477**.
- 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.

<sup>1</sup> After material has solidified the curing process can be accelerated at 52°C (125°F).

<sup>1</sup> 1 MPa = 145 lb



**POLYMÈRES**  
technologies

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# TECHNO POTTING 3055 TX

**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 POTTING 3055 TX**. 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.