

TC™ 9005

Clear, quick- setting epoxy resin

KEY FEATURES

Can be handled after only
3 - 5 minutes

Multipurpose: Bonds
effectively to tile, most
plastics, ceramics, glass,
wood, and metal

1:1 mixing ratio by volume
of its two components

Full cure time in 24 hours

**Strong and permanent
bond** once full hardness is
reached

Contact

POLYMÈRES TECHNOLOGIES

for more information:

support@polymerestechologies.com

DESCRIPTION

TCTM 9005 is a fast-setting epoxy adhesive designed for a variety of general and industrial applications. This ultra-fast epoxy adhesive provides a strong and permanent assembly.

Experience rapid bonding like never before with our TCTM 9005. Achieve unbreakable bonds on various surfaces within just 5 minutes. Discover clarity, versatility, and precision for your DIY crafts. “

This product is available in a convenient 2-component 50 ml cartridge with an easy dispenser. It excels at bonding a wide range of materials, including plastics, metals, ceramics, paper, wood and some rubbers. Its clear, transparent bonding characteristics are particularly beneficial for applications where aesthetics matter, such as woodworking projects involving small defects, pinholes and microcracks.

RANGE OF APPLICATIONS

The versatility and speed of the TCTM 9005 make it an excellent choice for a wide range of uses, including:

- Automotive projects;
- Wood (assembly, tenon and mortise, micro-cracks, etc.);
- Electronics;
- Ceramic bonding;
- Cloth and carpet repairs;
- Concrete bonding;
- Fiberglass projects;
- Glass repairs;
- Plastic, composite, and PVC bonding.

Its rapid cure and physical strength make it a reliable adhesive for industrial and creative projects, providing a strong, durable bond to an assortment of surfaces.

For more information on this product, available formats or for any questions regarding our resins, do not hesitate to contact us at sales@polymerestechologies.com.

Our knowledgeable team is here to help you and provide you with all the information you need. We look forward to hearing from you!

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INSTRUCTIONS

The surfaces to be bonded must be clean, dry and free of all contaminants. Measure equal amounts of parts A and B and stir until combined, or use a static mixing nozzle. Apply the mixture evenly to both surfaces. An optimal bond line is 5 mils. Allow to harden while holding in place with light tightening. Adhesion will set in 3 to 5 minutes and resistance to handling will be developed in 5 to 10 minutes. Complete curing will take place within 24 hours.

TYPICAL PROPERTIES (AT 25 °C)	PART A	PART B
VISCOSITY (Brookfield (cps))	8,000 – 12,000	5,500 – 8,500
MIXING RATIO IN VOLUME	1.15	1.05
MIXING RATIO IN WEIGHT	100	100
COLOR	Clear	Light yellow
POT LIFE for 100g	5 minutes	
FULL CURE	24 hours	

PHYSICAL PROPERTIES (SOLID STATE AFTER FULL CURE AT 25 ° C)

TEST	RESULTS	
HARDNESS	Shore D	< 85
WITHSTAND VOLTAGE	KV/mm	22
BENDING STRENGTH	Kg/mm ²	24
VOLUME RESISTANCE	Ohm3	1 x 10 ¹⁵
SURFACE RESISTANCE	Ohmm2	5 x 10 ¹⁵
THERMAL CONDUCTIVITY	W/M.K	0.61
ELECTRICITY LOSS	1KHZ	0.42
HEAT DISTORTION TEMPERATURE	°C	140
WATER ABSORPTION	%	< 0.15
COMPRESSIVE STRENGTH	Kg/mm ²	12.5

PRECAUTIONS

- Consult material safety data sheet prior to use.
- Normal health and safety measures should be observed when handling this product.
- Ensure good ventilation.
- Store the product in a cool and dry place out of direct sunlight.
- 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.



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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