



TC-5035 A/B
ROOM TEMPERATURE, PLATINUM BASED,
FORMABLE SILICONE

PRODUCT DESCRIPTION:

TC-5035 A/B is a 35-40 Shore A silicone elastomeric compound that can be mixed by hand and packed into place. It has a thick paste-like consistency and can be formed into desired shapes easily. The TC-5035 A/B cures at room temperature and is an excellent material for making molds or tooling where an impression is necessary.

PHYSICAL PROPERTIES:

Table with 2 columns: Property and Value. Properties include Hardness, Density, Color, Tensile Strength, Elongation, Tear Resistance, and Shrinkage.

HANDLING PROPERTIES:

Table with 2 columns: Property and Value. Properties include Mix Ratio (by weight and volume), Color, Specific Gravity, Viscosity, Work Time, and Demold Time.

INHIBITION:

Certain materials will cause inhibition or neutralization of the curing agent. These materials are sulphur and organometallic salt containing compounds such as organic rubbers and many condensation cured RTV silicone rubbers. Inhibition may easily be determined by applying a small quantity of TC-5035 over a localized area of the surface to be reproduced. If the TC-5035 is gummy or uncured after the curing time, then you know the mold surface is acting as an inhibitor. Molds made from wood, plaster, metal, or plastic should not cause inhibition if they are clean. To insure against possible problems, it is advisable to spray a RF barrier film (BJB product RF-5124) over any questionable surfaces. This is the best way of treating clays and surfaces that cause inhibition.

MIXING:

TC-5035 A/B is processed by mixing 1 part of the "A" side to 1 part of the "B" side in a clean container. These parts may be measured by weight or volume. Mix the two parts by hand until the gray color is consistent throughout. After mixing, press the TC-5035 A/B into the desired configuration.

PACKAGING:

5-Gallon kits.....50 lbs. A, 50 lbs. B

STORAGE:

Store in cool dry place. Unopened containers will have a shelf life of 6 months from date of shipment when properly stored at room temperatures. Purge opened containers with dry nitrogen before re-sealing.

SAFETY PRECAUTIONS:

Use in a well-ventilated area. Avoid contact with skin using protective gloves and protective clothing. Repeated or prolonged contact on the skin may cause an allergic reaction.

Eye protection is extremely important. Always use approved safety glasses or goggles when handling this product.

IF CONTACT OCCURS:

Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. It is *not* recommended to remove resin from skin with solvents. Solvents only increase contact and dry skin. Seek qualified medical attention if allergic reactions occur.

Eyes: Immediately flush with water for at least 15 minutes. Call a physician if irritation persists longer than 24 hours.

Ingestion: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

Refer to the Material Safety Data Sheet before using this product.