



TC-5100 A/B
25 SHORE OO TRANSLUCENT SILICONE RUBBER

TC-5100 A/B is a room temperature, addition/platinum curing silicone rubber designed for making flexible parts. Featuring exceptional tear strength, low viscosity, 1:1 mix ratio, and a quick demold time, this system is user friendly while producing high quality finished products.

- High Tear Strength
Translucent/Easily Pigmented
Tested for Skin Safety
Medical Simulations
Props for Movie Special FX
Tested for Cytotoxicity

Table with 3 columns: PHYSICAL PROPERTIES, TEST METHOD, RESULTS. Rows include Hardness, Density, Cubic Inches per Pound, Color/Appearance, Tensile Strength, Tensile Modulus, Elongation, Tear Strength, Shrinkage, Dielectric Constant, and Dissipation Factor.

*Note: Reported physical properties are based on test specimens cured 48 hours at room temperature.

Table with 3 columns: HANDLING PROPERTIES, Part A, Part B. Rows include Mix Ratio by weight/volume, Specific Gravity, Color, Viscosity, Mixed Viscosity, Work Time, Gel Time, and Demold Time.

Properties above are typical and not for specifications.

INHIBITION:

Certain materials will cause inhibition or neutralization of the curing agent. These materials include condensation/tin cured based silicone, lacquer and enamel coatings, polyester-based products, copper or copper containing metals, some SLA 3D Printing resins, and natural rubbers like latex. Inhibition may easily be determined by brushing a small quantity of TC-5100 A/B over a localized area of the surface to be reproduced. If the TC-5100 A/B is tacky or uncured after the cure time, then you know the mold surface is acting as an inhibitor. To insure against possible problems, it is advisable to spray a barrier film over any questionable surfaces. This is the best way of treating clays and other surfaces that cause inhibition. Contact BJB for recommended products.

STORAGE:

Store ambient temperatures, 65-80°F (18-27°C). Unopened containers will have a shelf life of 6 months from date of shipment when properly stored at recommended temperatures. Purge opened containers with dry nitrogen before re-sealing.

| PACKAGING | Part A | Part B | Cubic Inches per Kit |
|---------------------|---------------|---------------|-----------------------------|
| Pint Kits | 1 lb. | 1 lb. | 52 |
| Quart Kits | 2 lbs. | 2 lbs. | 105 |
| Gallon Kits | 8 lbs. | 8 lbs. | 419 |
| 5-Gallon Kits | 40 lbs. | 40 lbs. | 2,094 |
| 55-Gallon Drum Kits | 440 lbs. | 440 lbs. | 23,030 |

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.

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.

NOTE:

Refer to the Safety Data Sheet before using this product. For processing tips and guides, please visit: learn.bjbmaterals.com to discover additional information.