



TC-5015 A/B

15 SHORE A

TRANSLUCENT SILICONE RUBBER

PRODUCT DESCRIPTION:

TC-5015 A/B is a room temperature, addition/platinum curing silicone rubber designed for making molds and parts. When used to make molds, the TC-5015 A/B is translucent enough to see through when casting into the mold cavity. This aids in developing void free surfaces on the casting. TC-5015 A/B is also commonly used to make ink stamp pads as well as other types of pressure pads.

PHYSICAL PROPERTIES:

Hardness, Shore A ASTM D2240-04e1	15±5
Density, (g/cc) ASTM D792-00	1.06
Cubic Inches per Pound	26.2
Color/Appearance.....	Colorless/Translucent
Tensile Strength, (psi) ASTM D412-98(2002)e1	320
Elongation, (%) ASTM D412-98(2002)e1.....	350
Tear Strength, (pli) ASTM D624-00e1 Die B	60
Shrinkage, (in/in) linear ASMT D2566-.....	Nil

HANDLING PROPERTIES:

Mix Ratio (by weight):

Part A	100 parts by weight
Part B.....	10 parts by weight

Specific Gravity:

Part A	1.07
Part B.....	0.97

Viscosity, (cps) @ 77°F (25°C) Brookfield:

Part A	31,000
Part B.....	80
Mixed	15,000

Color:

Part A	Colorless
Part B.....	Colorless

Work Time @ 77°F (25°C)..... 25 minutes

Gel Time

Demold Time 77°F (25°C)..... 24 hours

INHIBITION:

Certain materials will cause inhibition or neutralization of the curing agent. These materials are sulphur containing and organometallic salt containing compounds such as organic rubbers and condensation cured RTV silicone rubbers. Inhibition may easily be determined by brushing a small quantity of TC-5015 over a localized area of the surface to be reproduced. If the TC-5015 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 an RF barrier film (BJB product RF-5124) over any questionable surfaces. This is the best way of treating clays and surfaces that cause inhibition.

STORAGE:

Store in a 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.

PACKAGING:

Quart Kits	2 lbs. A, 3.2 oz. B
Gallon Kits.....	8 lbs. A, 13 oz. B
5 Gallon Kits.....	40 lbs. A, 4 lbs. B
Drum Kits	450 lbs. A, 45 lbs. B

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.
Contact a physician immediately.

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