



TC-5060 A/B

60 SHORE A

ROOM TEMPERATURE CURING SILICONE

PRODUCT DESCRIPTION:

TC-5060 A/B is a room temperature, addition/platinum curing silicone rubber designed for mold making, encapsulation applications, pressure pads, gaskets, and various types of parts. It is an excellent mold making material for casting polyurethanes, epoxies, and low melting metals.

PHYSICAL PROPERTIES:

Hardness, Shore A ASTM D 2240-04e1	60 ± 5
Density, (g/cc) ASTM D 792-00	1.34
Cubic Inches per Pound	20.8
Color/Appearance.....	Pale green
Tensile Strength, (psi) ASTM D 412-98a (2002)e1	754
Elongation, (%) ASTM D 412-98a (2002)e1	225
Tear Strength, (pli) ASTM D 624-00e1 Die B	85
Shrinkage, (in/in) linear ASTM D 2566-	Nil

HANDLING PROPERTIES:

Mix Ratio (by weight):	
Part A	100 parts by weight
Part B	10 parts by weight
Mix Ratio (by volume):	
Part A	100 parts by volume
Part B	14 parts by volume
Specific Gravity:	
Part A	1.37
Part B	0.99
Viscosity (cps) @ 77°F (25°C) Brookfield:	
Part A	131,000
Part B	1,200
Mixed.....	91,000
Color:	
Part A	Off white
Part B	Green
Work Time @ 77°F (25°C)	35-45 minutes
Gel Time	60 minutes
Demold Time @ 77°F (25°C).....	6-8 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 many condensation cured RTV silicone rubbers. Inhibition may easily be determined by brushing a small quantity of TC-5060 over a localized area of the surface to be reproduced. If the TC-5060 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 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. Solvent 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.

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