



ST-1060 A/B

HIGH TEAR STRENGTH

60 SHORE A POLYURETHANE ELASTOMER

PRODUCT HIGHLIGHTS:

ST-1060 A/B is a multi purpose elastomer that can perform many functions. Special product characteristics are:

- Does not contain MOCA, MDA, TDI, or MDI
- Very easy to use
- Cures at room temperature

TYPICAL PRODUCT USES:

- ◆ Mold fabrication
- ◆ Shock absorbent pads and liners
- ◆ Various types of urethane rubber parts
- ◆ Electrical potting and cable sealing applications
- ◆ Excellent as an adhesive for high strength and resilient bonds

PHYSICAL PROPERTIES:

Hardness, Shore A ASTM D-2240.....	60 ± 2
Density, (g/cc) ASTM D-792.....	1.05
Cubic Inches Per Pound	26.3
Tensile Strength, (psi) ASTM D-412.....	900
Modulus of Elasticity, (psi) ASTM D-412:	
@ 100% Elongation	300
@ 200% Elongation	445
@ 300% Elongation	560
Elongation, (%) ASTM D-412.....	590
Tear Strength, (pli) ASTM D-624	120
Shrinkage, (in./in.) linear ASTM D-2566.....	0.006

HANDLING PROPERTIES:

Mix Ratio (by weight):

Part A	100 parts by weight
Part B	55 parts by weight

Mix Ratio (by volume):

Part A	100 parts by volume
Part B	58 parts by volume

Specific Gravity:

Part A	1.07
Part B	1.02

HANDLING PROPERTIES (cont'd):

Viscosity, (cps) @ 77°F (25°C) Brookfield..... 2,500
Work Time, (100-gram mass) @ 77°F (25°C)25 minutes
Demold Time @ 77°F (25°C) 6 - 8 hours
Cure Schedule..... Full cure in 3 - 5 days or post-cure at 150°F (66°C) for 4 - 6 hours

MOLD PREPARATION AND RELEASING:

When ST-1060 A/B is used to reproduce molds from plaster, wood or other porous substrates, we would first recommend that they be sealed. Release agents may then be applied over the sealed surface.

NOTE:

Prolonged direct exposure to sunlight can affect the surface of this product. Cover molds or other products when storing outdoors. **The cure will be inhibited if cast against a tin catalyzed silicone RTV.**

STORAGE:

Store in a cool dry place. Unopened containers of ST-1060 A/B will have a shelf life of 6 months from date of shipment when properly stored under normal indoor conditions, i.e., 77° ± 15°F (25° ± 10°C). Open containers of material should be purged with dry nitrogen prior to replacing lids or caps to prevent moisture contamination.

PACKAGING:

1 Gallon kits..... 8 lbs. A, 4.4 lbs. B
5 Gallon kits..... 40 lbs. A, 22 lbs. B
55-Gallon drum kits..... 450 lbs. A, 248 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.

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