



# LS-41 A/B

## 40 SHORE A BRUSHABLE POLYURETHANE ELASTOMER

### PRODUCT HIGHLIGHTS:

- Easy to use
- Room temperature mixing and curing
- Contains no MOCA, MDA, or MDI
- Excellent hydrolytic stability
- Contains no oils

### PRODUCT DESCRIPTION:

LS-41 A/B has been developed to provide a 40 Shore A elastomer that has good tensile strength with great elongation and excellent recovery.

### TYPICAL PRODUCT USES:

- ◆ Molds for plaster and concrete
- ◆ Molds for epoxy, polyurethane and polyester castings or laminates
- ◆ Skins for creatures

### PHYSICAL PROPERTIES:

Hardness, Shore A ASTM D-2240.....	40 ± 2
Specific Gravity, (g/cc) cured ASTM D-792 .....	1.03
Cubic Inches Per Pound .....	27
Color/Appearance.....	Yellow, transparent
Tensile Strength, (psi) ASTM D-412.....	490
Elongation, (%) ASTM D-412.....	800
Tear Strength, (pli) ASTM D-624 .....	85

### HANDLING PROPERTIES:

Mix Ratio (by weight):	
Part A .....	80 parts by weight
Part B .....	100 parts by weight
Specific Gravity (g/cc):	
Part A .....	1.05
Part B .....	1.03
Viscosity, (cps) @ 77°F (25°C) Brookfield:	
Part A .....	3,700
Part B .....	Semi-Paste
Mixed.....	Semi-Paste
Work Time, 100g mass @ 77°F (25°C) .....	60 minutes
Gel Time .....	80 minutes
Demold Time @ 77°F (25°C).....	12 to 16 hours (see NOTE)
Cure Schedule.....	Full cure in 5-7 days

### MIXING:

For best results, mix by weight at the specified A to B ratio. Mix thoroughly being sure to scrape sides then remix in another container so no unmixed material remains.

**MOLD PREPARATION AND RELEASING:**

When LS-41 A/B is used to reproduce molds from plaster, wood or other porous substrates, we would first recommend that they be sealed. Release agents such as Meguiar's #87 or Challenge 90 may then be applied over the sealed surface.

**NOTE:**

Demold times can be reduced by either pre-heating A and B materials or post-curing. Post-curing is most effective at 150°F (66°C). 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 applied against a tin catalyzed silicone RTV.**

**STORAGE:**

Store at room temperature in a dry place. Shelf life is 6 months, from date of shipment, in unopened containers. Opened containers of material should be purged with dry nitrogen, or an equivalent product, such as BJB's Poly Dry prior to replacing lids or caps to prevent moisture contamination.

**PACKAGING:**

1 Gallon kits..... 6.4 lbs. A, 8 lbs. B  
5 Gallon kits..... 32 lbs. A, 40 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. 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.**