



SKINFLEX 5 A/B
5 SHORE A POLYURETHANE ELASTOMER



SKINFLEX 5 is a soft (5 Shore A), stretchy, 1:1 mix ratio polyurethane elastomer designed for a variety of applications. The addition of SC-5 Softener allows the user to lower hardness and increase elongation to produce extremely soft parts.

- RoHS/REACH Compliant
• Easy to Pigment
• High Tensile & Tear Strength
• Special Effects & Props
• Medical Training Models
• Mercury/Phthalate Free

Table with 3 columns: PHYSICAL PROPERTIES, TEST METHOD, and ELEVATED TEMP CURE\*. Rows include Hardness, Density, Tensile Strength, etc.

\*Note: Reported physical properties are based on test specimens cured 1-3 hours at room temperature then 16 hours at 160°F (71°C).

Table with 3 columns: HANDLING PROPERTIES, Part A, and Part B. Rows include Mix Ratio, Viscosity, Work Time, etc.

Properties above are typical and not for specifications.

**Note:**

We recommend that the “A” side be warmed to 100F prior to use. It can become a waxy solid when stored below 60F. Do NOT store the “A” side at high temperature. For storage purposes we recommend an ambient temperature of 65-80°F (18-27°C).

**IMPORTANT MIXING DIRECTION:**

It is important to remix the “A” and “B” components thoroughly prior to each use.

**CURE SCHEDULE/HEAT CURING:**

Most of the physical properties can be achieved in 5-7 days at 77°F (25°C). You may use your own post-cure schedule but the physical properties may vary from BJB’s cure schedule of 1-3 hours at 77°F (25°C) followed by 16 hours at 160°F (71°C). Do not exceed curing temperature of 200°F (93°C). **The cure may be inhibited if cast against a Tin Catalyzed Silicone RTV.**

**ACCESSORIES:**

BJB offers silicone RTV mold making materials along with a wide range of accessory items. These include de-airing agents, pigments, mold releases, and Jiffy® Mixers. Visit BJB’s website at [www.bjbenterprises.com](http://www.bjbenterprises.com) or consult a BJB representative for more information.

**COLOR VARIATIONS:**

The color of the base material may vary slightly from batch to batch due to raw ingredients. Color variations will not affect the cured physical properties. Exposing the material to various conditions such as heat and UV light will alter the color of the cured system. Color stability is not guaranteed. This product can be pigmented, but you may see more color shift when using lighter pigments.

**STORAGE:**

Store at 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.

<b>PACKAGING</b>	<b>Part A</b>	<b>Part B</b>	<b>Cubic Inches per Kit</b>
Quart Kits	2 lbs.	2 lbs.	112
Gallon Kits	8 lbs.	8 lbs.	448
5-Gallon Kits	40 lbs.	40 lbs.	2,240
55-Gallon Drum Kits	440 lbs.	440 lbs.	24,640

**SAFETY PRECAUTIONS:**

Use in a well-ventilated area. Avoid contact with skin using protective gloves and protective clothing. Repeat 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.**

**⚠️WARNING:** This product can expose you to chemicals including Toluene diisocyanate, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

NON-WARRANTY "Except for a warranty that materials substantially comply with the data presented in Manufacturer's latest bulletin describing the product (the basis for this substantial compliance is to be determined by the standard quality control tests generally performed by Manufacturer), all materials are sold "AS IS" and without any warranty express or implied as to merchantability, fitness for a particular purpose, patent, trademark or copyright infringement, or as to any other matter. In no event shall Manufacturer's liability for damages exceed Manufacturer's sale price of the particular quantity with respect to which damages are claimed."