F-195 A/B

95 SHORE A POLYURETHANE ELASTOMER

The fast "F" Series of polyurethane elastomers range in hardness from 5 – 95 Shore A. These products were developed with shorter processing times in mind. F-195 features an easy mix ratio, low viscosity, and short demold time. If more work time is needed, consider our "M" Series of polyurethane elastomers (Medium work life).

The F-195 is ideal for:

- Part Production
- Strain Relief
- Molds
- Pigmenting
- Special Effects and Props
- And Much More

PHYSICAL PROPERTIES	TEST METHOD	7 DAY AMBIENT CURE	21 DAY AMBIENT CURE	ELEVATED TEMPERATURE CURE*
Hardness, Shore A	ASTM D2240-04e1	95±5	95±5	95±5
Density (g/cc)	ASTM D792-00	1.114	1.114	1.114
Cubic Inches per Pound	N/A	25.6	25.6	25.6
Color/Appearance	Visual	Translucent Amber	Translucent Amber	Translucent Amber
Tensile Strength (psi)	ASTM D412-98a(2002)e1	3,273	3,611	4,189
Tensile Modulus (psi)	ASTM D412-98a(2002)e1	5,516	5,866	4,824
Elongation (%)	ASTM D412-98a (2002e1	776	792	595
Tear Strength (pli)	ASTM D624-00e1	435	462	433
Shrinkage (in/in) linear	ASTM D2566 @ 1" depth	0.0024†	TBD	TBD
Dielectric Constant, 1 MHz	ASTM D150-87	4.81	4.81	4.81
Dissipation Factor, 1 MHz	ASTM D150-87	0.045	0.045	0.045

***Note:** Reported physical properties are based on test specimens cured 1-3 hours at room temperature then 16 hours at 160°F (71°C).
†Shrink test specimens are cured for 24 hours at room temperature and then 16 hours at 160°F (71°C).

HANDLING PROPERTIES	Part A	Part B
Mix Ratio by weight	100	50
Mix Ratio by volume (cartridge dispense friendly)	100	50
Specific Gravity @ 77°F (25°C)	1.09	1.08
Color	Pale Yellow	Amber
Viscosity (cps) @ 77°F (25°C) Brookfield	5,420	1,400
Mixed Viscosity (cps) @77°F (25°C) Brookfield	3,720	
Work Time, 100g mass @ 77°F (25°C)	8 - 10 minutes	
Gel Time	12 - 13 minutes	
Demold Time @ 77°F (25°C)	2 - 3 hours	

Properties above are typical and not for specifications.

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).

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 or consult a BJB representative for more information.

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.

PACKAGING	Part A	Part B	Cubic Inches Per Kit
Gallon Kits	8 lbs.	4 lbs.	307.2
5-Gallon Kits	40 lbs.	20 lbs.	1,536
55-Gallon Drum Kits	440 lbs.	220 lbs.	16,896

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.

Handling Guide

F-195 Part A MSDS

F-195 Part B MSDS

For more information call BJB Enterprises, Inc. (714) 734-8450 Fax (714) 734-8929