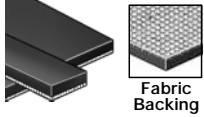


# Polyurethane & Casting Compounds

For information about polyurethane, see page 3244. For information about durometer, see page 3226.

## Fabric-Backed Polyurethane



For strong, long-term bonding, these sheets and strips provide a porous surface to apply an adhesive. (Adhesives are available on pages 3120-3139). Polyurethane is black. Fabric is white cotton duck (canvas). Thickness tolerance is  $\pm .032"$ . Length and width tolerance is  $\pm .125"$ . Temperature range is  $-40^{\circ}$  to  $+185^{\circ}$  F.

Durometer	60A	70A	80A	90A
Tensile Strength, psi	4000	5000	6000	4500

### Sheets

**To Order:** Please specify durometer hardness: 60A, 70A, 80A, or 90A.

O'all Thick.	6" x 6"	12" x 12"	12" x 24"	24" x 24"
Each	Each	Each	Each	Each
3/16"	8834K11 \$9.04	8834K21 \$34.51	8834K31 \$67.15	8834K41 \$122.18
1/4"	8834K12 10.78	8834K22 40.81	8834K32 80.60	8834K42 158.82
3/8"	8834K13 14.84	8834K23 57.58	8834K33 112.71	8834K43 220.29
1/2"	8834K14 19.02	8834K24 74.25	8834K34 147.00	8834K44 282.57
3/4"	8834K15 25.77	8834K25 98.21	8834K35 196.31	8834K45 382.11
1"	8834K16 31.54	8834K26 120.29	8834K36 235.34	8834K46 460.13

### 48" Long Strips

**To Order:** Please specify durometer hardness: 60A, 70A, 80A, or 90A.

O'all Thick.	1" Wide	2" Wide	3" Wide
Each	Each	Each	Each
3/16"	8834K51 \$14.36	8834K61 \$25.89	8834K71 \$33.51
1/4"	8834K52 16.64	8834K62 30.33	8834K72 40.22
3/8"	8834K53 20.33	8834K63 38.58	8834K73 55.18
1/2"	8834K54 24.83	8834K64 47.38	8834K74 69.14
3/4"	8834K55 32.65	8834K65 64.36	8834K75 93.86
1"	8834K56 37.37	8834K66 75.22	8834K76 110.70

## Sorbothane Ultra-Soft Polyurethane



Dampen vibration, absorb shock, and reduce noise with the softest polyurethane we offer. Material is solid, but has a fluid-like consistency. Ether-based material returns to its original shape after deformation. Sheets are smooth on both sides and black in color. Length and width tolerance is  $\pm .060"$ . Temp. range is  $-20^{\circ}$  to  $+180^{\circ}$  F. **Adhesive-backed sheets** provide peel and stick installation.

**Sample Pack**—Includes three 1" x 2 1/2" x 1/4" thick oval pieces, one of each hardness (40, 50, and 70 Shore OO).

**8514K1** Per Pkg. \$5.39

Durometer	40 OO	50 OO	70 OO
Tensile Strength, psi	124	124	155

**To Order:** Please specify durometer hardness: 40 OO, 50 OO, or 70 OO.

### Plain Sheets

Thick.	Thickness Tolerance	4" x 4"	12" x 12"	24" x 24"
Each	Each	Each	Each	Each
1/8"	0.018"	8514K51 \$3.73	8514K61 \$18.00	8514K71 \$54.13
3/16"	0.028"	8514K52 4.13	8514K62 23.83	8514K72 74.47
1/4"	0.037"	8514K53 4.75	8514K63 30.31	8514K73 104.26
3/8"	0.037"	8514K54 5.65	8514K64 44.24	8514K74 130.33
1/2"	0.050"	8514K55 6.40	8514K65 52.00	8514K75 184.69
5/8"	0.062"	—	8514K66 61.11	8514K76 228.13
3/4"	0.075"	—	8514K67 77.02	8514K77 269.75

Thick.	Thickness Tolerance	12" x 12"	24" x 24"
Each	Each	Each	Each
1"	0.100"	8514K68 \$102.66	8514K78 \$361.98

### Adhesive-Backed Sheets

Thick.	Thickness Tolerance	4" x 4"	5" x 5"
Each	Each	Each	Each
1/2"	0.050"	8794K11 \$12.54	8794K21 \$18.88

## Casting Compounds

Achieve intricate detail when creating cast prototypes, molds, linings, and replicas with these two-part, easy-to-mix casting compounds. Release agents are available on page 1947.

	Durometer (Hardness)	Tensile Strength, psi	Working Time, min.	Cure Temperature	Cure Time, hrs.	Color	Shrinkage per inch	Temp. Range (After Cure)
<i>Flexible Urethane Compounds</i> have high tensile strength, are highly flexible, pliable, and water and abrasion resistant.								
Flexible Urethane	60A	1,250	15-25	69° to 75° F	48	Black	.0005"	-40° to +180° F
Flexible Urethane	80A	1,725	15-25	69° to 75° F	48	Black	.0005"	-40° to +180° F
Flexible Urethane	94A	3,120	15-25	69° to 75° F	48	Black	.001"	-40° to +180° F
Flexible Urethane Putty	60A	1,250	15-20	69° to 75° F	48	Black	.001"	-40° to +180° F
Flexible Urethane Putty	85A	3,850	15-20	69° to 75° F	48	Black	.001"	-40° to +180° F
FDA Flexible Urethane	60A	1,400	6- 8	140° F•	18	Off-White	.05"	-40° to +180° F
FDA Flexible Urethane	78A	4,580	4- 5	140° F•	18	Off-White	.05"	-40° to +180° F
FDA Flexible Urethane	88A	4,555	4- 5	140° F•	18	Off-White	.05"	-40° to +180° F
FDA Flexible Urethane	75D	8,110	5- 6	140° F•	18	Off-White	.05"	-40° to +180° F
<i>Solid Urethane Compounds</i> cure quickly. Use for precision measuring, tracing, and making replicas for optical comparisons.								
Solid Urethane	90D	10,000	5	69° to 75° F	2	Green	.0007"	33° to 120° F
Quick-Set Solid Urethane	90M■	3,460	3	68° to 70° F	8 min.	Blue	0"	-350° to +350° F
<i>Aluminum Urethane Compound</i> is thermally conductive, fast setting, and highly machinable. Cures to a realistic metal finish.								
Aluminum Urethane	85D	4,046	4-6	70° to 75° F	8-12	Gray	.001"	40° to 179° F
<i>Low Viscosity Urethane Compound</i> flows smoothly into small crevices to pick up fine detail.								
Low Viscosity Urethane	83D	5,800	8-10	70° to 75° F	8-12	White	.001"	35° to 135° F
<i>RTV Silicone Compound</i> is used in linings to protect against shock and vibration. Also protects electronic connections from oxidation.								
RTV Silicone	60A	800	120	70° to 75° F	24	Blue	.002"	-75° to +392° F
<i>Aluminum Epoxy Casting Compound</i> provides a dimensionally stable surface with minimal shrinkage.								
Aluminum Epoxy	88D	6,500	80-90	70° to 75° F	12-16	Gray	.0002"	40° to 131° F

• Temperature of mold should be 120° F. ■ Rockwell hardness.

Weight, lbs.	Each	Weight, lbs.	Each	Weight, lbs.	Each	Weight, lbs.	Each
<i>Flexible Urethane, Shore 60A</i>		<i>Flexible Urethane Putty, Shore 85A</i>		<i>FDA Flexible Urethane, Shore 75D</i>		<i>Low Viscosity Urethane, Shore 83D</i>	
1	8644K24 \$26.00	1	8644K13 \$23.09	1	8644K47 \$21.31	3.6	87075K57 \$40.61
10	8644K26 183.45	4	8644K15 78.94	10	8644K49 141.98	14.4	87075K59 127.87
<i>Flexible Urethane, Shore 80A</i>		<i>FDA Flexible Urethane, Shore 60A</i>		<i>Solid Urethane, Shore 90D</i>		<i>RTV Silicone, Shore 60A</i>	
1	8644K11 23.64	1	8644K34 21.31	5	8690K1 50.42	1	8595K77 30.59
10	8644K12 165.91	10	8644K33 141.98	20	8690K2 99.91	2.2	8595K65 56.74
<i>Flexible Urethane, Shore 94A</i>		<i>FDA Flexible Urethane, Shore 78A</i>		<i>Quick-Set Solid Urethane, Rockwell Hardness 90M</i>		<i>Aluminum Epoxy, Shore 88D</i>	
1	8644K18 24.04	1	8644K37 21.31	1	8744K11 64.13	11	8595K11 264.92
10	8644K19 171.61	10	8644K39 141.98	3	8744K12 135.38	3.1	87045K41 32.12
<i>Flexible Urethane Putty, Shore 60A</i>		<i>FDA Flexible Urethane, Shore 88A</i>		<i>Aluminum Urethane, Shore 85D</i>			
1	8644K28 23.09	1	8644K41 21.31	5	87155K44 42.59		
4	8644K29 77.48	10	8644K43 141.98	20	87155K46 103.83		