Silicone Rubber sheet stock is commonly used for hot stamping raised graphics or broad areas on flat, contoured or cylindrical shaped objects. United Silicone offers a wide variety of silicone rubber materials to meet requirements for heat resistance and thermal conductivity. Our complete product line includes rubber materials ideal for heat sealing, nip or feed mediums, packaging and other applications that benefit from a flexible yet non-marring, non-skid material.

Benefits:
- Excellent Silicone-to-Metal Bond
- Thermally Conductive
- Heat Tolerant to 600°F
- Various Formulations
- Resistant to Compression Stress
- 40-90 Durometer (Shore A)
- FDA-Grade & 3A Certified Materials

Common Applications:
- Bag Sealing
- Blister Packaging
- Heat Sealing
- Heat Transfer & Hot Stamping
- Packaging
- Tipping
- Make-Ready
- Part Holding
- Gripper Fingers
- Gaskets

Silicone Rubber Sheets
- Standard Sizes— 12” x 24”
  12” x 36”
  24” x 24”
  24” x 36”
- Precision Ground for Flatness
- Bonded & Unbonded
- 40-90 durometers (Shore A)
- Dual Durometer Available

Rubber Thickness (A)
- 1/16” & 1/8” standard
- Custom thickness available upon request

Metal Backing (B)
- 1/64”-1”
- Standard up 1/8”
- Custom thickness available upon request
- Aluminum, steel, stainless steel, and dead soft aluminum (easily formed to set contour) available

Silicone Rubber Thickness
- (A)
- Side view of sheet
- (B)
- Metal Backing Thickness
**Durometer** – The Hardness of a material as measured on the Shore A Scale

**Tensile Strength** – The pulling stress just before the material breaks into 2 pieces

**Elongation** – The fractional increase in length of a material, stressed in tension, just before it breaks into two pieces

**Compression Set** – The measure of material resiliency after being subjected to compression and heat

**Heat Resistance** – Ability of a material to remain bonded to metal during exposure to extreme temperature.

**Specific Gravity** – The density of material divided by that of water

Contact U.S. to see our complete line of Hot Stamp & Heat Transfer Equipment & Supplies!

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United Silicone, an ITW Decorating Company, specializes in the design and production of standard and custom hot stamp and heat transfer decorating machines.

United Silicone also provides a complete range of supplies including: silicone rubber dies, rollers, sheets, part holding fixtures and heat seal supplies.

As a leading designer and manufacturer of state-of-the-art plastics decorating systems, United Silicone has the in-house engineers to provide solutions to your...