

Flexible Packaging Supplies: Seal Bars & Gaskets

Silicone Coated Seal Jaws provide an effective solution for sealing package inconsistencies caused by food contamination, thick or multiple layers of film, product dust or particulate.

The partnership of a rigid, metal surface together with a compliant, silicone tool is an ideal combination for Flexible Packaging (Horizontal and Vertical). This attribute combined with the thermal conductivity of United Silicone's formulations opens your process window resulting in consistent seal integrity, reduced scrap, improved throughput, and line efficiencies. For more information visit www.unitedsilicone.com



United Silicone Benefits

Silicone Seal Bars / Gaskets

- Non-Stick Properties
- Direct-Bond Teflon®
- Excellent Silicone-to-Metal Bond
- Thermally Conductive
- Heat Tolerant to 600F
- FDA & 3A Formulations
- Standard & Custom Sizes
- Smooth & Textured Surfaces



Features	Benefits
Compliant/Flexible	Conforms to Part & Thickness Variations – Zippers, Multi-Layer Films, Etc...
Silicone-to-Metal Bond	Enables Mechanical Machine Attachment Eliminating Adhesives/Glues
Surface Ground	Maintains a High Level of Flatness Tolerance
Custom Molded	Ready-To Use; Eliminates Machining of Sheet Stock
Non-Stick Properties	Easy Release of Films; May Eliminate Application of Teflon Tape
Direct-Bond Teflon®	Teflon® is Chemically Attached to Silicone
Crowned Designs	Eliminates Appearance of Air Pockets; Ideal for Long Seal Bars
Quick-Change Mounting Systems	Magnetic & Dovetail Designs Provide Fast/Easy Installation
FDA & 3A Dairy Certified	Approved for Direct Food Contact Applications

Trusted Partner for Your Product Decorating Needs

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United Silicone Offers a Complete Line of Heat Seal Tooling and Supplies

Product Availability

- Silicone & Teflon Bars
- Gaskets
- Magnetic Mounting Blocks
- Platens and Anvils
- Rollers
- Seal Heads
- Silicone Sheets

Silicone Rubber Advantages

- Excellent Silicone-to-Metal Bond
- Thermally Conductive
- Heat Tolerant to 600°F
- Various Formulations
- Resistant to Compression Stress
- 20-90 Durometer (Shore A)
- 3A & FDA Certified Materials

Common Applications

- Flexible Packaging
- Blister Sealing
- Edge Banding
- Conduction Sealing
- Heat Transfer & Hot Stamping
- Laminating
- Linerless Labels
- Nip & Feed Applications



Seal Heads

- Silicone and Metal Available
- Custom Molded
- Repeatable from Head-to-Head

Silicone Rubber Sheets

- Standard Sizes 12" x 24"
24" x 36"
- Precision Ground for Flatness
- Smooth & Textured Surfaces
- Bonded & Unbonded Available
- Various Aluminum Thicknesses (1/32" - 1")

Tooling

- Part Holding Fixtures
- Magnetic Mounting Systems
- Complete Machine Shop Capabilities

Equipment

- Dedicated to Heat Seal
- Standard Machines
- Semi-Automated

Rollers

- Various Silicone Formulations
- Flat or Crowned
- Seamless Finish
- FDA-Grade & 3A Certified
- Excellent Silicone-to-Metal Bond
- Thermally Conductive
- Heat Tolerant to 600°F
- 20-90 Durometer (Shore A)
- Overall Length up to 110"
- Finished OD to 20"
- Expedited Lead Times



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