

Introducing ITW Teflon Bonded Silicone

Heat Seal Solutions for Today's Packaging Challenges



The ITW Teflon Bonded Silicone is engineered specifically to provide an alternative to wrapping Silicone tools with Teflon Tape.

Designed to be more robust-it lasts 7 times longer in production, significantly reduces changeover and maintenance time while enhancing seal integrity.

With an excellent Teflon-to-Silicone Bond, this new product has proven to provide effective solutions for sealing package inconsistencies caused by food contamination, thick or multiple layers of film, product, dust, or particulate.



United Silicone Advantages

- Excellent Teflon-to Silicone Bond eliminating the need for Teflon Tape
- Reduces Downtime- Significantly lessens changeover and maintenance time
- Enhanced Seal Integrity- helps to reduce leakers
- Improves Processes- resistant to product contamination
- Improved Heat Transfer

PROPERTIES OF TEFLON/SILICONE RUBBER FORMULATIONS

Formulation	Duro (Shore A)	Tensile Strength (PSI)	Compression Set (%)	Heat Resistance	Specific Gravity
ITW Teflon Bonded Silicone	60	646	9.0	500°F	1.71

**additional durometers available*

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

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

"USI's Teflon Bonded Silicone remained in perfect condition after 6 weeks of trials...we would like to continue to expand and use this product on our other manufacturing lines" ~Major Food Corporation

Trusted Partner for Your Product Decorating Needs

United Silicone 4471 Walden Avenue, Lancaster, NY 14086

Tel +1 (716) 681 8222 Fax +1 (716) 681 8789

Email info@unitedsilicone.com

www.unitedsilicone.com www.itwids.com

A MEMBER OF

IDS | A Division of ITW

United Silicone Offers a complete Line of Heat Sealing Tooling & Supplies

ROLLERS

- Various Formulations
- Flat, Contoured or Stepped
- Seamless Finish
- 40-90 Durometer (Shore A)
- Overall Length up to 110"
- Finish OD to 20"
- Expedited Lead Times
- New or "Re-coat"

TOOLING

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

SILICONE RUBBER SHEETS

- Standard Sizes 12" X 24"
24" X 36"
- Precision Ground for Flatness
- Bonded & Unbonded
- Various Aluminum Thicknesses

SEAL HEADS

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

COMMON APPLICATIONS

- Flexible Packaging
- Cup Sealing
- Tray Sealing
- Blister Sealing
- Edge Banding
- Conduction Sealing
- Laminating
- Linerless Labels
- Nip & Feed Applications

Contact United Silicone to see our complete product offering of Hot Stamp & Heat Transfer Equipment & Supplies



United Silicone, part of Industrial Decorating Solutions (IDS), 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 toughest decorating problems.

Trusted Partner for Your Product Decorating Needs

United Silicone 4471 Walden Avenue, Lancaster, NY 14086
Tel +1 (716) 681 8222 Fax +1 (716) 681 8789
Email info@unitedsilicone.com

www.unitedsilicone.com www.itwids.com

A MEMBER OF

