

# Strip-N-Stick® Pressure Sensitive Adhesive Tapes



For extreme temperature applications, Strip-N-Stick® silicone rubber tapes outperform all other elastomer tapes in service life, weatherability, compression set resistance and electrical resistivity.

These pressure-sensitive Strip-N-Stick® tapes are available in a variety of widths and thicknesses for use in gasketing, cushioning, thermal insulation and vibration dampening applications. Other uses include noise reduction, clamping of hot parts and electrolysis reduction between dissimilar metals.

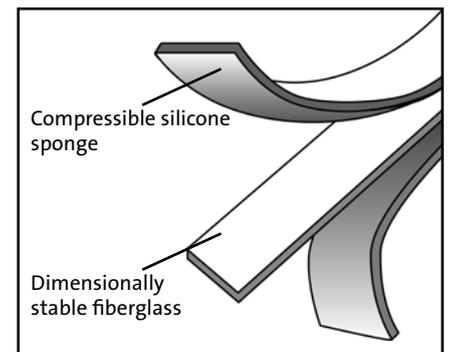
Strip-N-Stick® tapes, which provide all the benefits of silicone rubber in an easy-to-apply, pressure-sensitive tape form, are available in standard stock widths or can be slit to order.

- **100S** is a silicone sponge with a high temperature silicone adhesive.
- **200A** is a silicone sponge with an aggressive acrylic adhesive.
- **300AR** is a reinforced silicone sponge with an aggressive acrylic adhesive. Its unique construction provides the compressibility of sponge and the dimensional stability of fiberglass reinforcement. Stretch is eliminated, which contributes to the consistent size and shape of cut parts and inhibits outward extrusion under high pressure. It further permits close tolerance slitting.
- **440S** combines a 30 durometer solid rubber with a high temperature silicone adhesive.
- **440A** combines a 30 durometer solid rubber with an acrylic adhesive. It provides for high elongation and good conformability, and is an excellent gasketing material.
- **512AF** uses F-12 fireblocking foam along with a film-supported acrylic pressure-sensitive adhesive.

## Silicone Rubber

### Features/Benefits

- Instant Gasket
- Easy to Apply
- Compressible and Flexible
- Conforms to Irregular Shapes
- Eliminates Die Cutting
- High Adhesion to Stainless Steel, Plastics, Aluminum and Composites
- Low Compression Set
- Available in Closed-Cell Sponge, Low Density Foam or Solid Rubber
- Temperature Ranges SNS Products With:  
Acrylic Adhesives : -29°C to +177°C  
Silicone Adhesives : -73°C to +260°C



*Detail of 300AR reinforced silicone sponge*

## Typical Physical Properties

Physical Property	ASTM Test Method	Sponge 100S	Sponge 200A	Reinforced Sponge 300AR	Solid 440S	Solid 440A	Foam 512AF
Colour	—	Orange-Tan	Orange-Tan	Blue	Grey	Grey	Grey
Adhesive*	—	Silicone	Acrylic	Acrylic	Silicone	Acrylic	PET Reinforced Acrylic
Adhesion to Steel - gm/cm	D1000	168	335	335	168	335	335
Compression Deflection† - kPa	D1056	68.9	68.9	82.7	310	310	20.7
Tensile Strength - kPa	D412	448	448	17.9 kg/cm (fabric break)	4826	4826	3.6 kg/cm (film break)
Elongation - %		150	150	<10	650	650	75
Compression Set** - %	D412	25	25	25	30	30	5
Density of Backing - g/cc	D1056	.526	0.019	0.020	0.040	0.040	0.007
Silicone Rubber Substrate	D3574	Sponge	(.526) Sponge	(.554) Reinforced Fiberglass Sponge	(1.11) Solid	(1.11) Solid	(.194) Foam

\*Adhesive shelf-life when stored at 21°C to 32°C at less than 50% humidity; 6.0 months for silicone adhesive on sponge or solid backings, 24 months for acrylic adhesive on any SNS backing material. To maximize shelf-life, store at 4.4°C to 10°C.

†Compression Deflection – Compressed to 75% of original thickness. \*\*Compression Set – Compressed 50% for 22 hours at 100°C.

Thickness*** in.	mm	100S	200A	300AR	440S	440A	512AF	Roll Length (m)
1/32 ± .010	.08 ± .13				•	•		18.2
1/16 ± 1/64	1.6 ± .4	•	•	•			•	9.1
3/32 ± 1/64	2.4 ± .4	•	•	**			**	9.1
1/8 ± 1/32	3.2 ± .8	•	•	•			•	9.1
3/16 ± 1/32	4.8 ± .8	•	•	•			•	4.6
1/4 + 3/64 - 1/32	6.4 + 1.19 - .8	**	**				•	4.6
3/8 ± 3/64	9.5 ± 1.2						**	4.6
1/2 ± 3/64	12.7 ± 1.2						**	4.6
Minimum widths, inches (mm)		1/2 (12.7)	1/2 (12.7)	1/4 (6.35)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	

\*\* Special order, minimum quantity.

\*\*\*Thickness tolerances for backing only.

Cell Size: COHrlastic silicone sponge products may show variation in cell size. This is not cause for rejection if CHR finished product standards are met. Strip-N-Stick Dimensions: Upon removal of the liner, the potential exists for dimension changes as the sponge relaxes.

Important note to purchaser: Values shown are typical and are not to be used for specifications. All data is subject to change without notice. Before using, the user should determine the suitability of the product for its intended use, and the user assumes all risk and liability in connection therewith. Specifications are also subject to change without notice.

## Saint-Gobain Performance Plastics

Avenue du Parc 18  
4650 Chaineux (Belgium)  
Phone: +32/87 32 20 11  
Fax: +32/87 32 20 51  
sgppl.chaineux@saint-gobain.com

Strip-N-Stick® and COHrlastic® are registered trademarks.



The data and details in this leaflet were correct and up-to-date at the time of printing and are intended to provide information on our products and their possible applications. It is the user's responsibility to make sure he is in possession of the latest version of the product data sheet. This leaflet is not a specification and does not assure specific product characteristics or make reference to the suitability of the products for a definite application. Because Saint-Gobain cannot anticipate or control every application, we strongly recommend testing of this product under individual application conditions. The application, the use and the conversion of this product are under the user's responsibility.