



COHRLastic® Silicone Rubber Products

- Cushioning
- Gasketing
- Insulation
- Sealing
- Vibration Damping

COHRLastic® Silicone Solid Rubber		Thickness mm (in.)	Durometer (Shore "A") ASTM D2240	Tensile Strength MPa (psi) / Elongation % ASTM D412	Compression Set % after 70 hrs. @ 70°C 160°C ASTM D395		
General Purpose	Samples actually measure 41mmx10mm (this outline is slightly smaller)	300 / 9030 Soft durometer conformable solid	300 0.8, 1.6, 2.4, 3.2, 6.4, 12.7 (1/32, 1/16, 3/32, 1/8, 1/4, 1/2)	9030 0.8, 1.6, 2.4, 3.2, 6.4 (1/32, 1/16, 3/32, 1/8, 1/4)	30	5.5-5.9 (800-850) / 500%	15
		500 / 9050 Medium durometer solid, ideal for repetitive compression	500 0.8, 1.6, 2.4, 3.2, 4.8, 6.4, 8.0, 9.5, 12.7 (1/32, 1/16, 3/32, 1/8, 3/16, 1/4, 5/16, 3/8, 1/2)	9050 0.8, 1.6, 2.4, 3.2, 4.8, 6.4 (1/32, 1/16, 3/32, 1/8, 3/16, 1/4)	50	4.8-6.2 (700-900) / 350%	15
		700 / 9070 Rigid solid for spacer use	700 1.6, 2.4, 3.2, 4.8, 6.4, 8.0, 9.5, 12.7 (1/32, 1/16, 1/8, 3/16, 1/4, 5/16, 3/8, 1/2)	9070 0.8, 1.6, 2.4, 3.2, 4.8, 6.4 (1/32, 1/16, 3/32, 1/8, 3/16, 1/4)	70	4.8-5.1 (700-750) / 160%	20
High Performance		9235 Soft durometer solid for tear resistance	0.8, 1.6, 2.4, 3.2 (1/32, 1/16, 3/32, 1/8)		30	7.9 (1150) / 800%	30
		9255 Medium durometer solid for tear resistance	0.8, 1.6, 2.4, 3.2 (1/32, 1/16, 3/32, 1/8)		50	8.3 (1200) / 600%	30
		9275 Rigid durometer solid for tear resistance	0.8, 1.6, 2.4, 3.2 (1/32, 1/16, 3/32, 1/8)		70	8.3 (1200) / 350%	30

300-700 Series are 914x914mm moulded sheets. 9030-9070 and 9200 Series are produced in 914mm wide continuous lengths. Additional solid material available in 40 and 60 durometer promoted as: 400/9040 and 600/9060.

COHRLastic® Electrically Conductive Silicone Rubber		Thickness mm (in.)	Durometer (Shore "A") ASTM D2240	Tensile Strength MPa (psi) / Elongation % ASTM D412	Compression Set % after 22 hrs. @ 38°C 100°C ASTM D395	
Conductive		EC102 Static dissipative solid	0.5, 0.8, .1.6, 2.4, 3.2 (0.02, 1/32, 1/16, 3/32, 1/8)	60	4.8 (700) / 200%	20







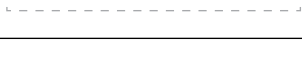

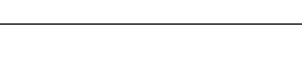
914mm wide continuous lengths available up to 3.2mm gauge and less, 914x914mm sheets available for all thicknesses

COHRLastic® Reinforced Solid Rubber		Thickness mm (in.)	Durometer (Shore "A") ASTM D2240	Tensile Strength MPa (psi) ASTM D412		
Reinforced		3320 General purpose press pad for flex circuitry	1.6 (1/16)	74	2.1 (300)	
			2.4 (3/32)	66		
			3.2 (1/8)	65		
			4420 High temperature press pad for flex and multi-layer circuitry	1.1 (.045)	78	1.6 (225)
				1.6 (1/16)	74	2.1 (300)
			4444 High pressure press pad for flex and multi-layer circuitry	1.6 (1/16)	79	2.8 (400)
				2.4 (3/32)	72	
3.2 (1/8)				67		
		4132 Thin, flexible, abrasion resistant reinforced flame retardant silicone rubber (FAR 25.853a)	0.8 (1/32)	NA	1.4 (200)	







COHRLastic Reinforced solids rubber are produced in 914mm wide continuous lengths

COHRLastic® Silicone Foam Rubber		Thickness mm (in.)	Availability RL	Density kg/m ³ lb./ft. ³	Compression Set % @ 22 hours 212°F %	Compression Deflection @ 25% at RT kPa psi
		F-12 Modified cell foam, flame retardant (SF-12 part number for UL94 V-0 and HFI gauge dependent), optional black* or white* colors available	RL	192 12	10	3 21

*Minimums apply

COHRLastic®		Silicone Sponge Rubber		Thickness mm (in.)	Availability RL/SH	Density kg/m ³ lb./ft. ³	Compression Set % @ 22 hours 100°C	Compression Deflection @ 25% at RT	
							%	kPa	psi
SOFT		R10480S Low compression set, closed cell sponge	2.4, 3.2, 4.8, 6.4, 9.5, 12.7 (3/32, 1/8, 3/16, 1/4, 3/8, 1/2)	SH	332	21	5	35	5
		R10470M General purpose, optional black* or gray* colors available	0.8, 1.6, 2.4, 3.2, 4.8, 6.4 (1/32, 1/16, 3/32, 1/8, 3/16, 1/4)	RL, SH	470	29	15	70	10
MEDIUM		R10480M Excellent compression set resistance	1.6, 2.4, 3.2, 4.8 (1/16, 3/32 1/8, 3/16)	RL, SH	470	29	5	70	10
		R10460 Flame retardant UL 94HBF, excellent compression set resistance	1.6, 2.4, 3.2, 4.8 (1/16, 3/32 1/8, 3/16)	RL, SH	470	29	5	70	10
		R10400M Flame retardant UL V-0	1.6, 2.4, 3.2, 4.8 (1/16, 3/32 1/8, 3/16)	RL, SH	560	35	10	70	10
		R10450 Fiberglass supported for dimensional stability and high tear strength	1.6, 2.4, 3.2, 4.8 (1/16, 3/32 1/8, 3/16)	RL, SH	554	35	25	104	15
		R10490 Fluorosilicone closed cell, excellent solvent and high temperature resistance	0.8, 1.6, 2.4, 3.2 (1/32, 1/16, 3/32, 1/8)	RL, SH	554	35	25	104	15
		R10470F Firm density general purpose	1.6, 2.4, 3.2 (1/16, 3/32, 1/8)	RL, SH	692	43	15	110	16
		R10404 Thermally conductive, designed for conformability and heat transfer	0.8, 1.6, 2.4, 3.2 (1/32, 1/16, 3/32, 1/8)	RL, SH	1105	69	15	138	20

RL = Rolls, SH = Sheets
*Minimums apply

Strip-N-Stick®	Silicone Tape	Base Material	Adhesive Type	Adhesion to Steel N/m (oz. /in.)	Thickness		Width	
					mm	in.	mm	in.
	100S — Silicone sponge with high temperature silicone adhesive	R10470M	Silicone	164 (15)	1.6, 2.4, 3.2, 4.8, 6.4	1/16, 3/32, 1/8, 3/16, 1/4	12 to 890	1/2 to 35
	200A — Silicone sponge with aggressive acrylic adhesive	R10470M	Acrylic	328 (30)	1.6, 2.4, 3.2, 4.8, 6.4	1/16, 3/32, 1/8, 3/16, 1/4	12 to 890	1/2 to 35
	300AR — Reinforced silicone sponge with aggressive acrylic adhesive	R10450	Acrylic	328 (30)	1.6, 3.2, 4.8	1/16, 1/8, 3/16	6 to 890	1/4 to 35
	440S — Shore "A" 30 durometer silicone solid with high temperature silicone adhesive	Solid	Silicone	164 (15)	0.8	1/32	12 to 457	1/2 to 18
	440A — Shore "A" 30 durometer solid solid rubber with a high-adhesion acrylic adhesive	Solid	Acrylic	328 (30)	0.8	1/32	12 to 457	1/2 to 18
	512AF — Silicone foam with film-supported acrylic pressure-sensitive adhesive	F-12	Acrylic	328 (30)	1.6, 2.4, 3.2, 4.8, 6.4, 9.5, 12.7	1/16, 3/32, 1/8, 3/16, 1/4, 3/8, 1/2	12 to 890	1/2 to 35

Strip-N-Stick adhesive shelf-life when stored at 20°C to 30°C at less than
50% humidity: silicone adhesive is 6 months and acrylic adhesive is 2 years.

All properties are typical values and should not be used for writing specifications.



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Performance Taking Shape

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A recognized leader in advanced polymer technology, Saint-Gobain Performance Plastics is part of an international family of companies comprising Compagnie de Saint-Gobain, a global force in engineered materials. With a worldwide network of manufacturing and sales facilities, Saint-Gobain Performance Plastics brings years of experience to developing innovative polymer solutions for its customers.



Saint-Gobain Performance Plastics is a world leader in the development and manufacturing of specialty foams. In addition to COHRLastic Silicone Rubber, Saint-Gobain offers NORSEAL®, NOREX®, and KOREL® products for less severe sealing and gasketing needs.

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