



COHRLastic® Silicone Rubber Products

Cushioning

Gasketing

Insulation

Sealing

Vibration Damping

COHrlastic® Silicone Solid Rubber		Thickness in. (mm)	Durometer (Shore "A") ASTM D2240	Tensile Strength psi (MPa) / Elongation % ASTM D412	Compression Set % after 70 hrs. @ 160°F 320°F ASTM D395		
General Purpose	Samples actually measure 41mmx10mm (this outline is slightly smaller)	300/9030 Soft durometer conformable solid	300 1/32, 1/16, 3/32, 1/8, 1/4, 1/2 (0.8, 1.6, 2.4, 3.2, 6.4, 12.7)	9030 1/32, 1/16, 3/32, 1/8, 1/4 (0.8, 1.6, 2.4, 3.2, 6.4)	30	800-850 (5.5-5.9) / 500%	15
		500/9050 Medium durometer solid, ideal for repetitive compression	500 1/32, 1/16, 3/32 1/8, 3/16, 1/4, 5/16, 3/8, 1/2 (0.8, 1.6, 2.4, 3.2, 4.8, 6.4, 8.0, 9.5, 12.7)	9050 1/32, 1/16, 3/32, 1/8, 3/16, 1/4 (0.8, 1.6, 2.4, 3.2, 4.8, 6.4)	50	700-900 (4.8-6.2) / 350%	15
		700/9070 Rigid solid for spacer use	700 1/32, 1/16, 1/8, 3/16, 1/4, 5/16, 3/8, 1/2 (1.6, 2.4, 3.2, 4.8, 6.4, 8.0, 9.5, 12.7)	9070 1/32, 1/16, 3/32, 1/8, 3/16, 1/4 (0.8, 1.6, 2.4, 3.2, 4.8, 6.4)	70	700-750 (4.8-5.1) / 160%	700: 15 9070: 20
High Performance		9235 Soft durometer solid for tear resistance	1/32, 1/16, 3/32, 1/8 (0.8, 1.6, 2.4, 3.2)		30	1150 (7.9) / 800%	30
		9255 Medium durometer solid for tear resistance	1/32, 1/16, 3/32, 1/8 (0.8, 1.6, 2.4, 3.2)		50	1200 (8.3) / 600%	30
		9275 Rigid durometer solid for tear resistance	1/32, 1/16, 3/32, 1/8 (0.8, 1.6, 2.4, 3.2)		70	1200 (8.3) / 350%	30

300-700 Series are 36"x 36" molded sheets. 9030-9070 and 9200 Series are produced in 36" wide continuous lengths. Additional solid material available in 40 and 60 durometer promoted as: 400/9040 and 600/9060.












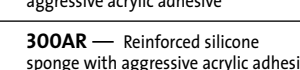
COHrlastic® Electrically Conductive Silicone Rubber		Thickness in. (mm)	Durometer (Shore "A") ASTM D2240	Tensile Strength psi (MPa) / Elongation % ASTM D412	Compression Set % after 22 hrs. @ 100°F 212°F ASTM D395
Conductive	EC102 Static dissipative solid	0.02, 1/32, 1/16, 3/32, 1/8, 1/4 (.51, .79, 1.59, 2.38, 3.18, 6.35)	60	700 (4.8) / 200%	20

36" wide continuous lengths available up to 1/8" gauge and less, 36" x 36" sheets available for all thicknesses







COHrlastic® Reinforced Solid Rubber		Thickness in. (mm)	Durometer (Shore "A") ASTM D2240	Tensile Strength psi (MPa) ASTM D412
Reinforced	3320 General purpose press pad for flex circuitry	1/16 (1.6)	74	300 (2.1)
		3/32 (2.4)	66	
		1/8 (3.2)	65	
	4420 High temperature press pad for flex and multi-layer circuitry	.045 (1.1)	78	225 (1.6)
		1/16 (1.6)	74	300 (2.1)
	4444 High pressure press pad for flex and multi-layer circuitry	1/16 (1.6)	79	400 (2.8)
		3/32 (2.4)	72	
		1/8 (3.2)	67	
4480 Reversion resistant press pad for flex and multi-layer circuitry	1/16 (1.6)	81	300 (2.1)	

COHrlastic Reinforced solids rubber are produced in 36" wide continuous lengths

COHrlastic® Silicone Foam Rubber		Thickness in. (mm)	Availability YG	Density lb./ft. ³ kg/m ³	Compression Set % @ 22 hours 212°F %	Compression Deflection @ 25% at RT psi kPa
	F-12 Modified cell foam, flame retardant (UL94 V-0)	1/16, 3/32, 1/8, 3/16, 1/4, 3/8, 1/2, 3/4, 1 (1.6, 2.38, 3.2, 4.8, 6.4, 9.5, 19.0, 25.4)	YG	12 192	10	3 21

COHRLastic®		Silicone Sponge Rubber		Thickness in. (mm)	Availability YG/SH	Density lb./ft. ³ kg/m ³		Compression Set % @ 22 hours 212°F	Compression Deflection @ 25% at RT	
								%	psi	kPa
SOFT		R10480S Low compression set, closed cell sponge	3/32, 1/8, 3/16, 1/4, 3/8, 1/2 (2.4, 3.2, 4.8, 6.4, 9.5, 12.7)	SH	21	332	5	5	35	
		R10470M General purpose	1/32, 1/16, 3/32, 1/8, 3/16, 1/4 (0.8, 1.6, 2.4, 3.2, 4.8, 6.4)	YG, SH	29	470	25	10	70	
		R10480M Excellent compression set resistance	3/8, 1/2, 3/4 (9.5, 12.7, 19.0)	SH						
MEDIUM		R10480M Excellent compression set resistance	1/16, 3/32 1/8, 3/16 (1.6, 2.4, 3.2, 4.8)	YG, SH	29	470	5	10	70	
		R10460 Flame retardant UL 94HBF, excellent compression set resistance	1/4, 3/8, 1/2 (6.4, 9.5, 12.7)	SH						
		R10460 Flame retardant UL 94HBF, excellent compression set resistance	1/16, 3/32 1/8, 3/16 (1.6, 2.4, 3.2, 4.8)	YG, SH	29	470	5	10	70	
		R10400M Flame retardant UL V-0	1/4, 3/8, 1/2 (6.4, 9.5, 12.7)	SH						
		R10450 Fiberglass supported for dimensional stability and high tear strength	1/16, 3/32 1/8, 3/16 (1.6, 2.4, 3.2, 4.8)	YG, SH	35	554	25	15	104	
		R10490 Fluorosilicone closed cell, excellent solvent and high temperature resistance	1/32, 1/16, 3/32, 1/8 (0.8, 1.6, 2.4, 3.2)	SH	35	554	25	15	104	
FIRM		R10470F Firm density general purpose	1/16, 3/32, 1/8 (1.6, 2.4, 3.2)	YG, SH	43	692	25	16	110	
		R10404 Thermally conductive, designed for conformability and heat transfer	3/16, 1/4, 3/8 (4.8, 6.4, 9.5)	SH						
		R10404 Thermally conductive, designed for conformability and heat transfer	1/32, 1/16, 3/32, 1/8 (0.8, 1.6, 2.4, 3.2)	YG, SH	69	1105	15	20	138	
			3/16 (4.8)	SH						

YG = Yard Goods, SH = Sheets

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

Strip-N-Stick adhesive shelf-life when stored at 70°F to 90°F 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.



PERFORMANCE PLASTICS

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Performance Taking Shape

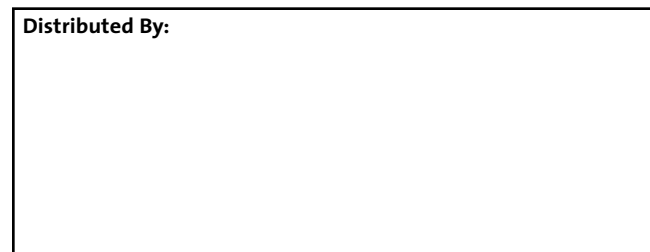
Every day, Saint-Gobain products provide customers with the highest levels of performance — performance which is the result of creative ideas and innovative technologies.

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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