

COHRLastic® Silicone Rubber Press Pads



COHRLastic® silicone rubber press pads are available to meet the full range of lamination requirements in today's multiple or high-temperature resin systems, including both low- and high-pressure lamination in hydraulic and vacuum-assisted hydraulic presses as well as autoclave operations. In order to conform to the highest traces and multiwire, this rubber-over-fabric product line is offered in a range of thicknesses.

Saint-Gobain Performance Plastics applies decades of experience with PTFE and thermoplastic bonding films to this product line. Our knowledge of this technology enables us to produce COHRLastic® press pads that provide substantial cycle life without silicone reversion.

COHRLastic® Press Pad Product Line

Product	Type	Temperature Range	Usage
3320	General purpose	350°F (177°C) max.	Flex
4420	Multipurpose	350-400°F (177-204°C)	Flex
4444	Multipurpose	350-400°F (177-204°C)	Flex
4480	Special purpose, reversion-resistant	380-600°F (193-316°C)	Multilayer > 500 psi
555*	High-pressure, unsupported	575°F (302°C) max.	High-Performance Flex

* Custom product offering, please contact plant customer support for minimums, pricing and delivery.

Multilayer, Flexible Circuitry, Rigid/Flex Laminations

Features/Benefits

- Unsurpassed cycle life
- Equal pressure over laminate surface
- Consistent thermal lagging from cycle to cycle
- Reduced inventory by eliminating paper
- Reduces labor cost of paper handling and disposal
- Reversion resistant compounds handle high temperature and pressure
- Static-free compound keeps laminate clean
- Helps prevent voids in finished laminate

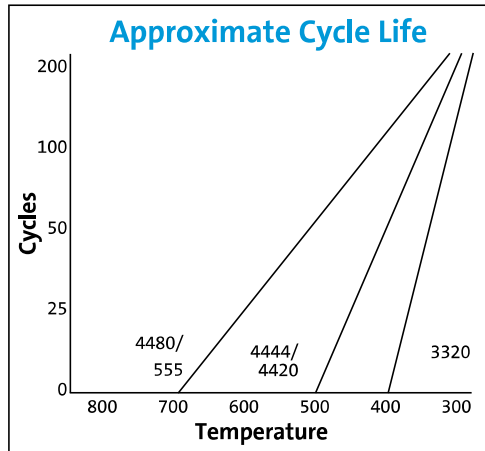


Fiberglass supported silicone rubber press pads

COHRLastic® Silicone Rubber — Typical Physical Properties

Physical Property		3320	4420	4444	4480	555
Color		Red	Brown	Red	Dark Gray	Charcoal Gray
Thickness-Backing (tolerances)	in.	.062 (±.005)	.045 (±.005)	.062 (±.005)	.062 (±.005)	.250 (±.031)
	mm	1.59 (±.127)	1.15 (±.127)	1.59 (±.127)	1.59 (±.127)	6.35 (±.79)
	in.	.093 (±.005)	.062 (±.005)	.093 (±.005)	—	—
	mm	2.38 (±.127)	1.59 (±.127)	2.38 (±.127)	—	—
	in.	.125 (±.010)	—	.125 (±.010)	—	—
	mm	3.18 (±.26)	—	3.18 (±.26)	—	—
Reinforcement		Fiberglass	Fiberglass	Fiberglass	Fiberglass	Unsupported
Weight by Thickness lb./yd ² (kg/m ²)	0.045 (1.15)	—	3.0 (1.16)	—	—	—
	0.062 (1.59)	4.1 (2.2)	4.1 (2.2)	4.5 (2.4)	3.9 (2.08)	—
	0.078 (1.98)	—	—	—	—	—
	0.093 (2.38)	5.9 (3.2)	—	6.5 (3.5)	—	—
	0.125 (3.18)	7.8 (4.2)	—	9.0 (4.9)	—	—
	0.250 (6.35)	—	—	—	—	15 (8)
Durometer, Shore A by Thickness	0.045 (1.15)	—	78	—	—	—
	0.062 (1.59)	74	74	79	81	—
	0.078 (1.98)	—	—	—	—	—
	0.093 (2.38)	66	—	72	—	—
	0.125 (3.18)	65	—	67	75	—
	0.250 (6.35)	—	—	—	—	60
Width	in. (cm)	36 (91.4)	36 (91.4), 40 (102)	36 (91.4)	40 (102)	36" x 36" Sheets

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 is committed to providing a quality product that will assure integrity of the printed circuit board you provide for your customer.

Layers of Kraft Paper* Replaced by One Silicone Pad

Pad Thickness (in./mm)	Layers of Kraft
.045/1.15	3–4
.062/1.59	4–6
.078/1.98	5–7
.093/2.38	6–7
.125/3.18	9–10

*90 lb. (40.8 kg)

COHRLastic is a registered trademark.

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