



Flat Silicone Rubber Sheet Stock

Our stock sheets are made in a wide range of sizes, compounds, durometers (hardness) and silicone thicknesses. Sheets can be bonded to aluminum or steel in many different metal backing and silicone thicknesses. Thin silicone rubber bonded to dead soft aluminum can be formed to fit contoured parts. Hard aluminum is easy to cut, drill, tap and fabricate into end effectors. Our silicone stands up well in UV environments. Sheets can be fabricated into gripper fingers, heat sealing dies and support fixtures.

Standard available sizes and options:

- Thicknesses of silicone: 1/16", 1/8", 1/4", 3/8", 1/2"
- Thicknesses of aluminum: 1/16" dead soft aluminum; 1/16", 1/8", 1/4", 3/8", 1/2" hard aluminum
- Sheet sizes : 6x6, 6x12, 12x12, 12x24 (in.)
- Durometer (see chart below)

SILICONE RUBBER PROPERTIES RATING GUIDE*					
SCHWERTLE COMPOUND SERIES	DUROMETER	THERMAL CONDUCTIVITY	THERMAL STABILITY	RESILIENCE	TOUGHNESS
"A" STANDARD RED	40	4	2	1	1
	50	3	2	1	1
	60	2	2	2	2
	70	2	2	3	2
	80	2	2	3	2
"B" HI-CONDUCTIVE BROWN	90	2	2	3	2
	60	1	2	2	3
	70	1	2	2	3
"C" HI-TEMPERATURE BROWN	80	1	2	3	4
	90	1	2	3	4
	85	2	1	3	3
	95	2	1	3	3

*Ratings are from 1 to 4; 1 is the highest, 4 is the lowest

- For help selecting the proper sheet for your project
- Fabrication recommendations
- Mounting recommendations
- To learn about our custom gripper and automation products



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(203) 330-2750**

We qualify for many "supplier diversity" purchasing programs, ask for details.