

Name Commercial Grade Silicone Sheet Rubber
Code 81-SIL-SS
1. DIMENSIONS AND APPEARANCE

Thickness	in	1/32, 1/16, 3/32, 1/8, 1/4, 3/8, 1/2, custom thicknesses available
Typical length	ft	50 - 100
Typical width	in	36, 48, 60, 72
Surface finishing		Smooth finish, both sides
Color		Red/orange, grey, black, color matching available

2. PHYSICAL PROPERTIES, TYPICAL

Hardness	Shore A	40 ± 5	50 ± 5	60 ± 5	70 ± 5	80 ± 5	ASTM D2240
Tensile strength	psi	950	1100	1100	1000	1000	ASTM D412
Elongation	%	400	350	280	200	200	ASTM D412
Tear strength (Die C)	ppi	90	100	100	100	95	ASTM D624
Specific gravity	g/cm ³	1.13	1.15	1.18	1.21	1.25	
Low working temp	°F	-80	-80	-80	-80	-80	
High working temp	°F	450	450	450	450	450	

3. TOLERANCES

TARGET THICKNESS, in (mm)	MINIMUM, mm	MAXIMUM, mm
1/32 (0.8)	0.50	1.10
1/16 (1.6)	1.30	1.90
3/32 (2.4)	2.00	2.80
1/8 (3.2)	2.70	3.70
1/4 (6.4)	5.90	6.90
3/8 (9.5)	8.70	10.30
1/2 (12.7)	11.90	13.50

Width tolerance in (mm) +0.787 / -0 (+20 / -0)

Length tolerance in (mm) +7.87 / -0 (+200 / -0)