

Name **FDA Grade Silicone Sheet Rubber**
 Code **10-SIL-FDA-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, translucent, black, others available

2. PHYSICAL PROPERTIES

Hardness	Shore A	40 ± 5	50 ± 5	60 ± 5	70 ± 5	80 ± 5	ASTM D2240
Tensile strength, min	psi	950	1100	1100	1000	1000	ASTM D412
Elongation, min	%	400	350	280	200	200	ASTM D412
Tear strength (Die C), min	ppi	90	100	100	100	95	ASTM D624
Specific gravity, typical	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	

10-SIL-FDA-SS meets FDA regulation 21 CFR 177.2600 for rubber articles intended for repeated use.

3. TOLERANCES

TARGET THICKNESS, in (mm)	MINIMUM, mm	MAXIMUM, mm	WIDTH TOLERANCE, in
1/16 (1.6)	1.21	1.97	-0/+1
3/32 (2.4)	2.00	2.76	-0/+1
1/8 (3.2)	2.79	3.56	-0/+1
3/16 (4.8)	3.95	5.58	-0/+1
1/4 (6.4)	5.54	7.16	-0/+1
3/8 (9.5)	8.71	10.34	-0/+1
1/2 (12.7)	11.51	13.89	-0/+1