

**Name**      **ZZ-R Grade Silicone Sheet Rubber**  
**Code**       **10-SIL-ZZR-SS**  
**Spec**        **ZZ-R-765E 2A/2B**

### 1. DIMENSIONS AND APPEARANCE

<b>Thickness</b>	in	1/32, 1/16, 3/32, 1/8, 1/4, 3/8, 1/2, custom thicknesses available
<b>Typical length</b>	ft	50 - 100
<b>Typical width</b>	in	36, 39.4, 47.2, 59.1
<b>Surface finishing</b>		Smooth finish, both sides
<b>Color</b>		Red/orange, translucent, black, others available

### 2. PHYSICAL PROPERTIES (2A/2B)

<b>Hardness</b>	Shore A	40 ± 5	50 ± 5	60 ± 5	70 ± 5	80 ± 5	ASTM D2240
<b>Tensile strength, min</b>	psi	700	700	650	650	650	ASTM D412
<b>Elongation, min</b>	%	240	200	150/100	125/80	100/60	ASTM D412
<b>C. set (70h, 150°C), max</b>	%	35/25	35/25	40/25	40/25	45/30	ASTM D395B
<b>Oven aging (70h, 225°C)</b>							
Change in hardness	Shore A	±10	±10	±10	±10	±10	ASTM D573
Change in tensile	%	-20	-20	-20	-25	-25	ASTM D573
Change in elongation	%	-40	-40	-40	-40	-40	ASTM D573
<b>Water absorption, max</b>	%vol	+10	+5	+5	+5	+5	ASTM D471
<b>Specific gravity, typical</b>	g/cm <sup>3</sup>	1.13	1.15	1.18	1.21	1.25	
<b>Low temp brittlepoint, max</b>	°F	-80	-80	-80	-80	-80	ASTM D2137
<b>High working temp</b>	°F	450	450	450	450	450	

### 3. TOLERANCES

TARGET THICKNESS, in (mm)	MINIMUM, mm	MAXIMUM, mm	WIDTH TOLERANCE, in
1/32 (0.8)	0.54	1.05	-0/+1
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
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