

## Name ZZ-R Grade Silicone Sheet Rubber

Code 81-SIL-ZZR-SS

Spec ZZ-R-765E 2A/2B

## 1. DIMENSIONS AND APPEARANCE

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

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

| Hardness<br>Tensile strength, min<br>Elongation, min<br>C. set (70h, 150°C), max<br>Oven aging (70h, 225°C)<br>Change in hardness<br>Change in tensile<br>Change in elongation<br>Water absorption, max<br>Specific gravity, typical | Shore A<br>psi<br>%<br>Shore A<br>%<br>%<br>%vol<br>g/cm <sup>3</sup><br>°F | 40 ± 5<br>700<br>240<br>35/25<br>±10<br>-20<br>-40<br>+10<br>1.13<br>-80 | 50 ± 5<br>700<br>200<br>35/25<br>±10<br>-20<br>-40<br>+5<br>1.15<br>-80 | 60 ± 5<br>650<br>150/100<br>40/25<br>±10<br>-20<br>-40<br>+5<br>1.18<br>-80 | 70 ± 5<br>650<br>125/80<br>40/25<br>±10<br>-25<br>-40<br>+5<br>1.21<br>-80 | $80 \pm 5 650 100/60 45/30 \pm 10-25-40+51.25-80$ | ASTM D2240<br>ASTM D412<br>ASTM D412<br>ASTM D395B<br>ASTM D573<br>ASTM D573<br>ASTM D573<br>ASTM D471 |
|--|---|--|---|---|--|---|--|
| Low temp brittlepoint, max   | °F  | -80  | -80   | -80   | -80  | -80   | ASTM D2137   |
| 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 to | olerance  |
|----------|-----------|
| Length   | tolerance |

in (mm) +0.787 / -0 (+20 / -0) in (mm) +7.87 / -0 (+200 / -0)

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