



Name **Soft Grade Silicone**
Code **Foam HR100**

1. DIMENSIONS AND APPEARANCE

Thickness in $1/16 - 1/2$
Length ft 16 – 65, depending on thickness
Width in 18
Surface finishing Smooth
Color Grey

2. PHYSICAL PROPERTIES

Compression deflection (25%) psi (kPa) 3-6 (20-40) ASTM D1056
Density pcf (kg/m³) 22 (350) ASTM D1056
Compression set (22h, 100°C) % < 5 ASTM D1056
Tensile strength psi (kPa) 29 (200) ASTM D412
Elongation % 60 ASTM D412
Flammability - V-0 & HF-1 rating UL-94
Low temperature flexibility °C (°F) -55 (-67) ASTM D1056
Working temperature range °C (°F) -55 to 200 (-67 to 392)

3. INDUSTRY STANDARDS

FDA regulation 21 CFR 77.2600 Rubber articles intended for repeated use
UL-94 V-0 ≥ 0.8mm thickness

4. TOLERANCES

| TARGET THICKNESS, in (mm) | MINIMUM, mm | MAXIMUM, mm |
|----------------------------------|--------------------|--------------------|
| 1/32 (0.8) | 0.698 | 1.181 |
| 1/16 (1.6) | 1.092 | 2.108 |
| 3/32 (2.4) | 1.892 | 2.908 |
| 1/8 (3.2) | 2.565 | 3.835 |
| 3/16 (4.8) | 4.165 | 5.435 |
| 1/4 (6.4) | 5.638 | 7.162 |
| 3/8 (9.5) | 8.357 | 10.643 |
| 1/2 (12.7) | 11.430 | 13.970 |

Length tolerance +free / -0
Width tolerance +free / -0

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