

Name **Soft Grade Silicone Foam**
 Code **88-NS100**

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/m ³) | 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 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