

Name **Medium Grade Silicone Foam**
 Code **88-NS120**

1. DIMENSIONS AND APPEARANCE

| | | |
|-------------------------------------|----|--|
| Thickness | in | 1/32 - 1/2 |
| Length | ft | 19 – 65.6, depending on thickness |
| Width, for 1/32 to 1/8 in thickness | in | 36 |
| Width, for 3/16 to 1/2 in thickness | in | 19 |
| Surface finishing | | Smooth |
| Color | | Grey, Black, *White, *Red *Subject to MOQ |

2. PHYSICAL PROPERTIES

| | | | |
|------------------------------|--------------------------|-------------------------|------------|
| Compression deflection (25%) | psi (kPa) | 6-14 (41-96) | ASTM D1056 |
| Density | pcf (kg/m ³) | 23 (370) | ASTM D1056 |
| Compression set (22h, 100°C) | % | < 1 | ASTM D1056 |
| Tensile strength | psi (kPa) | 32 (220) | ASTM D412 |
| Elongation | % | 80 | ASTM D412 |
| Water absorption | % | 0.3 | ASTM D1056 |
| 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 177.2600 | Rubber articles intended for repeated use |
| UL-94 V-0 & HBF HF-1 | ≥ 0.8mm thickness |
| ASTM D1056-14 | 2D2/3 |
| SAE AMS3195 Rev. H | Compliant to physical property requirements |

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