

**Name      Soft Grade Silicone Foam**
**Code        88-NS100-GRY**
**1. DIMENSIONS AND APPEARANCE**

<b>Thickness</b>	in	1/32 - 1/2
<b>Length</b>	ft	20 - 60
<b>Width</b>	in (mm)	19.7 (500)
<b>Surface finishing</b>		Smooth
<b>Color</b>		Grey

**2. PHYSICAL PROPERTIES**

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

**3. TOLERANCES**

<b>TARGET THICKNESS, in (mm)</b>	<b>MINIMUM, mm</b>	<b>MAXIMUM, mm</b>
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