

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

## 1. DIMENSIONS AND APPEARANCE

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

## 2. PHYSICAL PROPERTIES

<b>Compression deflection (25%)</b>	psi (kPa)	6-14 (41-96)	ASTM D1056
<b>Density</b>	pcf (kg/m <sup>3</sup> )	23 (370)	ASTM D1056
<b>Compression set (22h, 100°C)</b>	%	< 1	ASTM D1056
<b>Tensile strength</b>	psi (kPa)	32 (220)	ASTM D412
<b>Elongation</b>	%	80	ASTM D412
<b>Water absorption</b>	%	0.3	ASTM D1056
<b>Flammability</b>	-	V-0 & HF-1 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. INDUSTRY STANDARDS

<b>FDA regulation 21 CFR 177.2600</b>	Rubber articles intended for repeated use
<b>UL-94 V-0 &amp; HBF HF-1</b>	≥ 0.8mm thickness
<b>UL50E</b>	Enclosures for Electrical Equipment, Environmental Considerations
<b>ASTM D1056-14</b>	2D2/3
<b>SAE AMS3195 Rev. H</b>	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