

**Name** Ultra Soft Grade Silicone Foam  
**Code** 88-NS220

**1. DIMENSIONS AND APPEARANCE**

<b>Thickness</b>	in	1/16 - 1/2
<b>Length</b>	ft	16.4 – 65.6, depending on thickness
<b>Width</b>	in	18
<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)	1.5 (10)	ASTM D1056
<b>Density</b>	pcf (kg/m <sup>3</sup> )	14 (230)	ASTM D1056
<b>Compression set (22h, 100°C)</b>	%	< 5	ASTM D1056
<b>Tensile strength</b>	psi (kPa)	17 (120)	ASTM D412
<b>Elongation</b>	%	70	ASTM D412
<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**

**FDA regulation 21 CFR 177.2600** Rubber articles intended for repeated use  
**UL-94 V-0 & HBF HF-1** ≥ 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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