

Name **Firm Grade Silicone Foam**  
 Code **88-NS140**

## 1. DIMENSIONS AND APPEARANCE

Thickness	in	1/16 - 1/2
Length	ft	16.4 – 65.6, depending on thickness
Width, for 1/16 to 3/32 in thickness	in	34
Width, for 1/8 to 1/2 in thickness	in	18
Surface finishing		Smooth
Color		Grey, Black, *White, *Red *Subject to MOQ

## 2. PHYSICAL PROPERTIES

Compression deflection (25%)	psi (kPa)	16 (110)	ASTM D1056
Density	pcf (kg/m <sup>3</sup> )	31 (500)	ASTM D1056
Compression set (22h, 100°C)	%	< 1	ASTM D1056
Tensile strength	psi (kPa)	58 (400)	ASTM D412
Elongation	%	70	ASTM D412
Water absorption	%	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 77.2600** Rubber articles intended for repeated use  
**UL-94 V & HBF** ≥ 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