

Name Extra-Firm Grade Silicone Foam Code 88-NS160

1. DIMENSIONS AND APPEARANCE

Thickness	in
Length	ft
Width, for $1/_{16}$ to $3/_{32}$ in thickness	in
Width, for $1/_8$ to $1/_2$ in thickness	in
Surface finishing	
Color	

¹/₁₆ - ¹/₂
16.4 - 65.6, depending on thickness
34
18
Smooth
Grey, Black, *White, *Red
*Subject to MOQ

2. PHYSICAL PROPERTIES

Compression deflection (25%) Density Compression set (22h, 100°C) Tensile strength Elongation Water absorption Flammability Low temperature flexibility	psi (kPa) pcf (kg/m³) % psi (kPa) % - °C (°F)	29 (200) 34 (550) < 1 87 (600) 90 3 V-0 & HF-1 rating -55 (-67)	ASTM D1056 ASTM D1056 ASTM D1056 ASTM D412 ASTM D412 ASTM D1056 UL-94 ASTM D1056
Working temperature flexibility	°C (°F) °C (°F)	-55 (-67) -55 to 200 (-67 to 392)	ASTM D1056

3. INDUSTRY STANDARDS

FDA regulation 21 CFR 177.2600 UL-94 V-0 & HBF HF-1

Rubber articles intended for repeated use ≥ 0.8 mm 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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