



HANNA RUBBER COMPANY

Specification Sheet

Name **Medium Grade Silicone**
Code **Foam HR120**

1. DIMENSIONS AND APPEARANCE

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

2. PHYSICAL PROPERTIES

Compression deflection (25%)	psi (kPa)	6-14 (41-96)	ASTM D1056
Density	pcf (kg/m ³)	23 (370)	ASTM D1056
Compression set (22h, 100°C)	%	< 1	ASTM D1056
Tensile strength	psi (kPa)	32 (220)	ASTM D412
Elongation	%	80	ASTM D412
Water absorption	%	0.3	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-0	≥ 0.8mm thickness
ASTM D1056-14	2D2/3
SAE AMS3195 Rev. H	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

5. COMPARABLE

Rogers BISCO® HT-800