



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

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**1. DIMENSIONS AND APPEARANCE**

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**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

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**2. PHYSICAL PROPERTIES**

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**Compression deflection (25%)** psi (kPa) 6-14 (41-96) ASTM D1056  
**Density** pcf (kg/m<sup>3</sup>) 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)

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**3. INDUSTRY STANDARDS**

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**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

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**4. TOLERANCES**

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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

**Hanna Rubber Company**

908 West 25th Street

Kansas City, MO 64108

www.hannarubber.com 816-221-9600 sales@hannarubber.com