

BISCO® HT-6210 and HT-6220 SOFT SOLID SILICONE

BISCO® HT-6210 and HT-6220 are low durometer solid silicones formulated to be a transition between a firm silicone sponge and traditional medium hardness Shore A durometer material. The unique product softness is designed into the product enabling the material to solve sealing and design issues within various industrial markets. BISCO HT-6210 and HT-6220 are available in various thicknesses and manufactured in roll form to allow fabricators to easily convert the material to the proper dimensions.

Features and Benefits

- Soft and compressible for superior sealing performance
- Flexible, yet durable enough to perform under stringent conditions
- Tight thickness tolerances for greater reliability
- Wide temperature range means the material will work in harsh environments

Applications

- Underwater lighting gaskets
- Digital camera lens gasket
- Battery hatch seals

Silicone HT-6210 and HT-6220 Typical Physical Properties At 1/16" (1.59mm) thick			
Property	Test Method	Typical Value	
Thickness		0.010" (0.25 mm)	
		0.020" (0.50 mm)	
		0.031" (0.79 mm)	
		0.063" (1.59 mm)	
		0.125" (3.18 mm)	
Durometer, Pts	ASTM D 2240	10	20
Tensile, psi	ASTM D 412	250	800
Elongation, %	ASTM D 412	500	650
Tear Resistance, ppi	ASTM D 624	25	55
Compression Set, % (70 hrs @ 300°F, 25% compression)	ASTM D 395	30	30
Temperature	Rogers Internal	-80° to 425°F (-62° to 218°C)	
Continuous			
Color		Gray	Black

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Standard Thickness Tolerance

Standard Thickness (Inches)	Tolerance (Inches)
≤ 0.014	± 0.002
0.015 – 0.025	+0.003, -0.002
0.026 – 0.040	± 0.004
0.041 – 0.094	± 0.006
0.095 – 0.145	± 0.008

Width Tolerance

Nominal Width (Inches)	Tolerance (Inches)
0 < T ≤ 3	± 0.063
3 < T ≤ 8	± 0.094
8 < T ≤ 12	± 0.125
12 < T ≤ 18	± 0.188
18 < T ≤ 26	± 0.219
26 < T ≤ 36	± 0.250
>36	± 0.313

Notes:

1. All metric conversions are approximate.
2. Additional technical information is available.
3. Typical values are a representation of an average value for the population of the property. For specification values contact Rogers Corporation.

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☎: 618-282-7700

✉: sales@seconrubber.com

🌐: www.seconrubber.com