

BISCO® HT-6240 TRANSPARENT SOLID SILICONE

BISCO® HT-6240 transparent material is a clear solid silicone formulated to be a 40 durometer Shore A material. The unique product clarity designed into the product enables the material to solve aesthetic and design issues within various industrial and handheld device markets. BISCO HT-6240 transparent material is available in various thicknesses and manufactured in roll form to allow fabricators to easily convert the material to the proper dimensions.

Features and Benefits

- Excellent product clarity provides a solution for aesthetic issues
- Good tear resistance for gasket integrity
- Excellent physical properties means the material will exhibit excellent long term durability
- Tight thickness tolerances for greater reliability

Applications

- Architectural lighting gaskets
- Handheld device gaskets
- Cell culture plates

Silicone HT-6240 – Typical Physical Properties		
At 1/16" 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	40
Tensile, psi	ASTM D 412	1000
Elongation, %	ASTM D 412	450
Tear Resistance, ppi	ASTM D 624	125
Compression Set, % (70 hrs @ 300°F, 25% compression)	ASTM D 395	30
Temperature	SAE J-2236	-80° to 425°F
		(-62° to 218°C)
Color		Transparent

Material Options

- Material is available with an acrylic or silicone pressure sensitive adhesive applied at greater than 0.031" (0.79mm) thickness

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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)
$0 < T \leq 3$	± 0.063
$3 < T \leq 8$	± 0.094
$8 < T \leq 12$	± 0.125
$12 < T \leq 18$	± 0.188
$18 < T \leq 26$	± 0.219
$26 < T \leq 36$	± 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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