

BISCO® HT-350

BISCO® HT-350 is a medium firmness silicone foam solution for gasketing and sealing. BISCO HT-350 silicone foam material is designed to offer high sealing capabilities even under low amounts of compression.

PROPERTY	TEST METHOD	TYPICAL VALUE	SPECIFICATION
PHYSICAL			
Color	VISUAL	GRAY/BLACK	---
Thickness Available, mm (inches)		0.80 - 12.70 (1/32 - 1/2) SEE REVERSE	---
Standard Width, mm (inches)	---	914 (36)	---
Density, Kg/m ³ (lb./ft ³)	ASTM D1056	400 (25)	---
CFD Force Measured at 25% Deflection, kPa (PSI)	ASTM D1056	70 (10.1)	41 - 97 (6 - 14)
Tensile, kPa (PSI)	ASTM D412	317 (46)	241 (35) min.
Elongation, %	ASTM D412	64	50% min.
Compression Set, % 22 hours, 100°C (212°F), 50% compression	ASTM D1056	3.7	< 5
Water Absorption, % 24 hours at RT	INTERNAL	1.4	< 5
Flammability	UL94 V-0 UL94 HF-1	Pass Pass	---
Temperature Range	INTERNAL	-55°C to +200°C (-67°F to 392°F)	---
F37 Sealing at 5% compression	ASTM F37	PASS	---

Standard Thickness Tolerance

STANDARD THICKNESS			TOLERANCE	
mm	Inches		mm	Inches
0.8	1/32	0.031	-0.127, +0.381	-0.005, +0.015
1.60	1/16	0.063	±0.508	±0.020
2.39	3/32	0.094	±0.508	±0.020
3.18	1/8	0.125	±0.635	±0.025
4.76	3/16	0.188	±0.635	±0.025
6.35	1/4	0.250	±0.762	±0.030
9.53	3/8	0.375	±1.143	±0.045
12.70	1/2	0.500	±1.27	±0.050

Width Tolerance (Cellular)

NOMINAL WIDTH		TOLERANCE (w/o PSA)		TOLERANCE (with PSA)	
mm	Inches	mm	Inches	mm	Inches
0 < T < 76	0 < T < 3	±1.60	±0.063	±0.787	±0.031
76 < T < 203	3 < T < 8	±2.39	±0.094	±0.787	±0.031
203 < T < 305	8 < T < 12	±3.18	±0.125	±0.787	±0.031
305 < T < 457	12 < T < 18	±4.78	±0.188	±0.787	±0.031
457 < T < 660	18 < T < 26	±5.56	±0.219	±1.600	±0.063
660 < T < 914	26 < T < 36	±6.35	±0.250	±1.600	±0.063

- All metric conversions are approximate.
- Additional technical information is available.
- Typical values should not be used for specification limits.