

Foam and Sponges - Quick Reference Guide



	Neoprene Blend Monarch 5031	Silicone Bisco HT-800	Silicone St. Gobain R10460	Polyimide Solimide TA-301	Cellular Urethane Poron 4701-40
Cell Structure	Closed	Closed	Closed	Open	Open
25% Compression Deflection	2-5 PSI	6-14	6-14 PSI	1.2 PSI (at 50% compression deflection)	4-40
Density (p.c.f.)	4-8	20	Not Available	0.4	15-30
Temperature Range	-40° - 200° F	-67° - 392° F	-100° - 500° F	400° F	194° F
Water Absorption (by weight)	10%	1.4%	5%	Not Available	2%
Compression Set Resistance	Fair	Excellent	Excellent	Fair	Excellent
Chemical Resistance	Fair	Good	Excellent	Good	Excellent
UV Resistance	Fair	Excellent	Excellent	Fair	Good
Ozone Resistance	Good	Excellent	Excellent	Fair	Good
Flammability Rating	UL 94 HF-1 Pass	UL 94 HF-1UL 94 V-0	UL 94 HBF	UL 94 V-0	UL 94 HBF Pass

Note: Chart is for quick reference only, not for specification writing. Always check data sheets for values. Visit: LGStechnologies.com to learn more.