

Diversified Silicone Products, Inc.

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Other Data Sheets Are Available On Our Website

www.diversifiedsilicone.com

Silicone Foam-“Open Cell”

“DSP0018” “DSP0048” “DSP0028”

Open Cell Silicone Foam is designed to be used in applications where a light weight, easy to compress material is desired. It is resistant to extreme high and low temperatures. It has a very low compression and is FDA approved. This material is non-toxic, non-flammable, much lighter in weight and has virtually no outgassing. It has a smooth skin on both sides and is also available with Pressure Sensitive Adhesive on one or both sides.

<u>Property</u>	<u>Test Method</u>	<u>Typical Values</u>
Density	ASTM D1056	12 pcf
Compression Deflection	ASTM D 3675 (25%)	4 psi
Compression Set, 22 hrs @ 212 deg.F	ASTM D 1056 At 50%, 22hrs @ 70°C At 50%, 22hrs @ 100°C	2% <10%
Tensile	ASTM D 412	30 psi
Elongation	ASTM D 412	100%
Thermal Resistance	ASTM C 518	2.5° ft ² h/Btu
Temperature Range °F		-67 to +500
Flame Spread	ASTM E162/D 3675	<25
Flame Resistance	UL 94*	V-0 / V-1
Toxic Gas Emission	Bombardier SMP 800C	Pass
Smoke Density	ASTM e662 @ 4 min @ 1.5 min	<50 <20
Water Absorption, 24 hrs @ 70 deg.F, max	ASTM D 570	3%

*Applicable to certain thicknesses and colors.

Available Industry Specifications:

*UL 94 V-0 *BMS 1-68F *FDA APPROVED INGREDIENTS

Tests, claims representations and descriptions regarding flammability are based on standard laboratory tests and, as such, may not be reliable for determining, evaluating, predicting or describing the flammability of burning characteristics under actual fire conditions, whether used alone or in combination with other products. Accordingly, each potential user should make an individual determination whether the flammability or burning characteristics of the product are suitable for the purpose intended by the user.