

CS Hyde Company
800-461-4161 FAX: 800-441-8063
1351 North Milwaukee Avenue
Lake Villa, IL 60046

PRODUCT INFORMATION

73-CCF Series
Light Density Sponge /
Closed Cell
Silicone Foam

Product Description:

This unique product offers a compression deflection of a medium density sponge but has the light density of open cell foam. It combines the best of both worlds. Silicone exhibits a wish list of characteristics including superb chemical resistance, high temperature performance, good thermal and electrical resistance, long-term resiliency, and easy fabrication. It also possesses excellent UV and ozone resistance. Silicone is odorless, tasteless and non-toxic. Silicone foam is grey in color, lightweight and flexible with a smooth skin on both sides.

Common Applications:

Silicone foam can be used for insulating and cushioning electronic assemblies. It can also be used for gaskets, seals, air filters, thermal shielding, cushioning for aviation, automotive and locomotive industries as well as flame-retardant applications. Silicone foam is also approved for repeated food contact.

TYPICAL PROPERTIES

Property	Test Method	Silicone Foam
Density	ASTM D3574	20-25 pcf
Compression Deflection	ASTM D1056	8-12 psi
Compression Set	ASTM D1056	<10%
Tensile	ASTM D412	50-75 psi
Elongation	ASTM D412	Min 80%
Bend Fatigue	24 hrs @ 300°F	Pass
Temperature Range °F (static)	SAE J2236	-67 to +392
Vertical Flammability	FAR 25.853	Pass
Flame Resistance	UL 94	V-0
Thermal Conductivity	ASATM C-518	.09 W/m K
Water Absorption	ASTM D570	1.5%

Available Industry Specifications:

- *UL 94 V-0
- *AMS3195
- *FDA APPROVED INGREDIENTS

Note: 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.