Argent

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# BISCO® 7130
# Soft Flame Resistance Silicone Sponge

BISCO® 7130 is a soft grade closed-cell silicone sponge material designed for flame resistant applications. It meets Specification BMS 1-60 Type 1, Grade A. It is available in sheets.

Features & Benefits, applicable to all BISCO® Cellular Materials (Foams):

- Temperature independency
- UV/Ozone resistant
- Rated to most stringent flame standards

| PROPERTY | TEST METHOD | TYPICAL VALUE* |
|---|---|---|
| **PHYSICAL** | | |
| Color | Visual | Gray |
| Thickness, mm (inches) | Internal | 3.18 - 25.40<br>(0.125 - 1.00) |
| Density, kg/m$^3$ (lb./ft$^3$) | ASTM D1056 | 496<br>(31) |
| Compression Force Deflection, kPa (psi) | ASTM D1056<br>@ 25% Deflection | 13 - 48<br>(2 -7) |
| Compression Set, % | ASTM D1056<br>100°C (212°F) / 22 hrs | 35 |
| Water Absorption, % | ASTM D1056 | < 5 |
| Temperature Resistance, °C (°F) | Internal | -55 to +204<br>(-67 to +400) |
| Tensile Strength, MPa (psi) | ASTM D412 | 0.52<br>75 |
| Elongation, % | ASTM D412 | 250 |

| PROPERTY | TEST METHOD | TYPICAL VALUE* |
|---|---|---|
| **FLAMMABILITY** | | |
| Flame Resistance | FMVSS302<br>UL94 HBF ‡ | Pass |

‡ Rating dependent on thickness

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## Standard Thickness Tolerances

| NOMINAL THICKNESS | TOLERANCE |
|---|---|
| mm (inches) | mm (inches) |
| 3.18 (0.125) | ±0.787 (±0.031) |
| 4.76 (0.188) | ±0.787 (±0.031) |
| 6.35 (0.250) | -0.787 / +1.194 (-0.031 / +0.047) |
| 7.95 (0.313) | -0.787 / +1.194 (-0.031 / +0.047) |
| 9.53 (0.375) | ±1.194 (±0.047) |
| 12.70 (0.500) | ±1.194 (±0.047) |
| 15.88 (0.625) | ±1.575 (±0.062) |
| 19.05 (0.750) | ±2.388 (±0.094) |
| 22.23 (0.875) | ±2.388 (±0.094) |
| 25.40 (1.000) | ±2.388 (±0.094) |

## Slit Material and Tape (PSA) Width Tolerances

| NOMINAL WIDTH | TOLERANCE |
|---|---|
| mm (inches) | mm (inches) |
| 914 (36) | + 25.4/- 0 (+ 1/- 0) |

## SPECIFICATION

- BMS 1-60 Type 1, Grade A

Notes:

*Typical Value- Value is based on historical data. Please note the frequency of testing varies.
Additional industry specifications are available as well. All other properties are based on industry standard guidelines.

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