



HANNA RUBBER COMPANY

# Specification Sheet

## Closed Cell Silicone Sponge Rubber Medium Density

**Sheeting Grade:** AMS-3195, ASTM D-1056 Type 2 Class D Grade 3

**Temperature Range:** -103°F to +450°F

**Specifications:** SAE AMS-3195E Sponge; Silicone Rubber Closed Cell, Medium; MIL-C-3133; MIL-STD 670 Grade TE 7; and MIL-R-6130 Type 2 Grade B & C, Medium. These products meet the flammability requirements of FAR 25/JAR 25/CS 25 Appendix F, Part 1, (a)(1)(iv) and (a)(1)(v) horizontal flammability tests. Automotive Standard PART 571FMVSS302

**General Characteristics for Silicone Rubber:** Limiting Oxygen Index 23.2 % BS 2872 Part 1 Radiation Resistance >105 Grays (107 Rads) typical

Environmental Resistance Silicone rubber products have an excellent resistance to ozone, oxidation, ultraviolet light, corona discharge, cosmic radiation, ionizing radiation and weathering in general. Silicone rubber products produce very low levels of toxic fume when burnt.

Property	AMS-3195 Typical	Test Method
Density (lb.ft-3)	29 PCF	ASTM D 3574
Compression Deflection PSI	11 PSI	ASTM D 1056
Elongation to Failure	150%	ASTM D 412
Compression Set 50 (%) 22 hours @212°F	25%	ASTM D 746
Water Absorption %	<3%	ASTM D 1056
Temperature (°F)	-100° to +500°	ASTM D 746
Thermal Conductivity	6.4x10 <sup>2</sup> Wm-1.K-1	

\*0.5" sample

\*0.126" sample

Comparable to R10470M

Hanna Rubber accepts no responsibility for results obtained. Each user of these products, or information, should perform their own tests to determine the suitability of the material. Hanna Rubber does not guarantee that the user will obtain the same results. The data and information are subject to change without notice.