



HANNA RUBBER COMPANY

Specification Sheet

Closed Cell Silicone Sponge Rubber Firm Density

SHEETING GRADE: AMS-3196 Fabric Finish / ASTM D-1056 Type 2 Class D Grade 3 / MIL-R-6130 Type 2 Grade B & C

TEMPERATURE RANGE: -103°F to +450°F

SPECIFICATIONS: SAE AMS-3196 Sponge, Silicone Rubber Closed Cell, Firm. 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 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.

COMPARABLE TO: R10470F

Property	AMS-3195 Typical	Test Method
Density (lb.ft-3) Pounds / cubic foot	< .25" thick 52 pcf ≥ .25" thick 43 pcf	ASTM D 1056
Compression Deflection (PSI)	12-20 psi	ASTM D 1056
Elongation to Failure	200%	ASTM D 412
Compression Set 50 (%) 22 hours @212°F	60% max	ASTM D 1056
Water Absorption %	<5%	ASTM D 746
Temperature (°F)	-67°F to +500°F	ASTM D 746

*0.5" sample

*0.126" sample

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.