



# ElastaPro Silicone Sheeting

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## CLOSED CELL SILICONE SPONGE MEDIUM DENSITY - ESSIM

### DESCRIPTION:

Silicone Sponge is an excellent material for gasketing applications that require a soft, compressible material. It is resistant to extreme temperatures and offers good compression set. The surface has a fine fabric finish and is available in continuous rolls up to 1/2" thick and sheets up to 2" thick.

### KEY CHARACTERISTICS:

- High Compressibility
- Low Compression Set
- Excellent gasketing material
- UV / Ozone Resistant
- **Specifications: AMS3195, Mil-R-46089, ASTM D1056, Mil-R-6130, Mil-Std 670 TE12, Formulated to meet UL 94HB**

PROPERTIES	Specification <i>AMS-3195</i>	ESS <i>TYPICAL VALUES</i>	Test Method
Density, lbs/cu.in. - Under 1/4" thick	.025 MAX	.020	ASTM D1056
Density, lbs/cu.in. - Over 1/4" thick	.020 MAX	.018	ASTM D1056
Compression Deflection, psi	6-14	11	ASTM D575
Compression Set, 22 hrs. @ 212°F	60% MAX	29	ASTM D395
Brittle Point, °F	-67	-103	ASTM D746
Temperature Range, °F	N/A	-103 TO +450	ASTM D573
Water Absorption	5% MAX	PASS	ASTM D471
Tensile Strength, psi	N/A	100	ASTM D412
Elongation, %	N/A	200	ASTM D412
Thermal Conductivity, BTU in./hr ft² °F	N/A	.6	ASTM F433
Permittivity	N/A	1.39 C2/(N·M2)	ASTM D150
Dielectric Strength	N/A	1.6 KV/mm	ASTM D149
Volume Resistivity	N/A	10 <sup>15</sup> OHM-CM	ASTM D257

These typical physical properties are provided for evaluation information only.  
It is up to the end-user to determine the appropriate material for the intended application.