



**International Silicone
Technologies**

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IST8000
SERIES
NON-FLAMMABLE SILICONE SPONGE/FOAM

IST8000 is a **lightweight** sponge/foam compound. It provides uniform unicellular cross-sections. It withstands temperatures from a very low -120°f to a +500°f. It is available in an x-soft to a firm grade in any color. It could be supplied in an extrusion or molding grade, calendered uncured rolls, or preformed sheets.

This compound could be utilized in a broad range of applications such as the following:

- ❖ Insulation
- ❖ Protection
- ❖ Sealing
- ❖ Isolation.....and much more
- ❖ Absorption
- ❖ Soft Pads
- ❖ Sound Barriers

PHYSICAL PROPERTIES

Property	Test Method	Extra Soft	Soft	Medium	Firm
		Value	Value	Value	Value
<i>Density</i>	ASTM D-1056	20lbs/ft3	22lbs/ft3	24lbs/ft3	28lbs/ft3
<i>Compression Deflection</i>	ASTM D-1056	2-4 psi @ 25%	4-6 psi @ 25%	6-14 psi @ 25%	12-20 psi @ 25%
<i>Compression Set</i>	ASTM D-1056	<5%	<5%	<5%	<5%
	50%, 22 hrs @ 100°C				
<i>Tensile Strength</i>	ASTM D-412	150	180	200	300
<i>Elongation</i>	ASTM D-412	150	170	190	200
<i>Water Absorption</i>	ASTM D471	<5%	<5%	<5%	<5%
<i>Flame Resistance*</i>	UL-94	V1	V1	V1	V1
<i>Vertical Flame</i>	FAR 25.853 (a)	PASS	PASS	PASS	PASS

*Varies by thickness

SPECIFICATIONS

- ❖ AMS3195
- ❖ AMS3196
- ❖ UL94V1
- ❖ FAR 25.853(a)
- ❖ FDA TITLE 21CFR 177.2600
- ❖ MEDICAL GRADE

Data noted above is based on laboratory test and should be used as reference only. More information is available upon request. Tests, claims representations and descriptions regarding flammability are based on standard laboratory tests and, as such, may not be reliable for determining, evaluation, 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.