



International Silicone Technologies, Inc.
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IST155 55 Shore Flame Resistant

IST155 is a 55 durometer vulcanized silicone designed to provide flame resistance as well as excellent balance of physical, electrical, and chemical properties over a wide range of temperatures. It has a temperature range resistance of -75°F to +500°F in vented systems. It is excellent gasketing material, UV/Ozone Resistant, non-toxic and high to low temperature resistant. It is specially designed for the automotive industry.

It is available in 0.010” up to 0.500” thick and up to 60” wide and many other colors. We can supply calendered cured rolls or cut sheets.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Value
<i>Specific Gravity</i>	ASTM D-792	1.23
<i>Durometer Shore-A</i>	ASTM D-2240	55+/-5
<i>Tensile Strength</i>	ASTM D-412	1000
<i>Elongation</i>	ASTM D-412	500
<i>Tear Resistance</i>	ASTM D-624	140
<i>Temperature Range</i>	(°F)	-75° to 480°F +500° (intermittent)
<i>Flammability</i>	BSS7230	10 SEC

DESIGNED TO MEET SPECIFICATION:

- ❖ BSS7230
- ❖ UL94 VO
- ❖ BMS-172
- ❖ FAR 25.853(a)

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.