

S800 Series

Silicone Foam Tape, Hi Temp PSA

FEATURES and BENEFITS: Medium Firmness, Compressible, Flexible, Shock Absorbing • High Temperature Resistance • Sponge Rubber Sealing • Excellent memory foam for sealing and protecting electrical enclosures and lighting equipment • Resistance to UV, ozone and extreme temperatures • UL rated • Permanent Acrylic Adhesive on one side



S800 – MEDIUM DENSITY, SILICONE FOAM GASKET TAPE

Technical Data	Result	Test
Color	Gray, Black, Red available	-
Texture	Skin (top & bottom)	-
Thickness	.063", .125", .188", .25", .375", .50"	-
Density	22 lb./ft ³	-
Cell Structure	Compact Open Cell that can acts as closed cell when compressed for enhanced sealing against fine particles and wind driven rain and fire	-
Water Absorption	0.5%	2" below water surface for 24 hrs. % in change of weight
Compression Force Deflection	9.7 psi, (6-14 psi range)	ASTM D1056
Compression Set	2.4%	ASTM D1056, 212°F / 22 hrs. / 50%
Tensile Strength	35 psi	ASTM D412
Flame Resistance (UL Rated)	UL 94 V-0, UL 157 (JMLU2, JMST2)	Meets, File E83967, JMLU2.MMH13898
Flame Spread Index	ASTM E162	Meets, Flaming Mode <35
Smoke Density	ASTM E662	Meets, Flaming Mode, 1.5 min, <100
Burn Length	FMVSS 302	Meets, <100 mm/min
Silicone Temperature Range	-67 to 392°F	-
Adhesive	Silicone (high temp adhesive)	*S800 differs from S600 with the PSA
Adhesive Temperature Range	-58 to 446°F	-
Thermal Conductivity	.076 W/M °K	ASTM C518
Low Temperature Flex	-67°F / 5 hrs	ASTM D1056, Pass
Low Temperature Brittleness	-67°F / 3 min	ASTM D746, Pass
Outgassing, Total Mass Loss	0.98%	ASTM E595 (4x10 ⁻⁶ Torr)
Outgassing, Collected Volatile Condensable Materials (CVCM)	0.25%	ASTM E595 (4x10 ⁻⁶ Torr)
Dielectric Strength	75 Volts/mil	ASTM D149
Volume Resistivity	10 ¹⁴ Ohm-cm	ASTM D257
FDA Compliant	in accordance with regulation 21 CFR 177.2600	-

Color and Finish may vary based on production lot.

Measurement tolerances vary based on thickness and width, contact Pres-On for specific tolerance to your finished product.

APPLICATION NOTES: Ensure bonding surfaces are well unified, clean, dry, and free of dirt and oils. Apply firm and even pressure to improve adhesive-to-surface contact. Allow proper temperature and time to enhance bond strength.

It is the end user's responsibility to determine final suitability of Pres-On's product for use in their application.

Adhering to a higher standard™

Find the right product for your application today! Call Pres-On at 800-323-7467.
visit www.preson.com, or email sales@preson.com.