



Description

Closed-cell Eco Seal[®] Series foams (ESL), are specially formulated for sophisticated industrial, automotive, and construction applications.

ESL600, light density foam is easily flexed and compressed and exhibits excellent conformability. Test results demonstrate that ESL600 can be classified to 2 CO (SCE40) as specified by ASTM D1056 and SAEJ18.

ESL1000 is a medium density foam that exhibits good conformability with excellent dimensional stability. Test results demonstrate that ESL1000 can be classified to 2C1 (SCE 41) as specified

by ASTM D 1056 and SAEJ18.

Revolutionary in composition, Eco Seal[®] Series foam products compete favorably with high end rubbers such as EPDM, Nitrile, SBR Blends, ECH, EPT and (depending upon the application) heavy density urethane foam.

Characteristics common to all Gaska Tape flexible closed-cell foam products include the ability to make a long life seal against air, moisture, light and dust penetration. Eco Seal[®] Series closed-cell flexible foam completely seals out air, moisture, light and dust when compressed 30% or more.



ESL600



ESL1000

Performance Characteristics

- With a service temperature of -30°F to 250°F, it's an excellent product for protection of materials over these broad temperature ranges.
- Totally unaffected by harsh chemicals such as gasoline, oil, hydraulic fluid, brake fluid, alcohol, and anti-freeze, as well as sulfuric acid, nitric acid, and even hydrochloric acid.
- Does not become brittle or exhibit loss of properties over time and wide temperature ranges.
- UV and Oxidation resistant.

- Plasticizer migration virtually eliminated to eradicate marring, crazing, or cracking problems.
- Maintains physical properties under various sterilization conditions.
- Black color standard.
- Other colors available upon request.

Industry Applications

- Automotive
- Construction
- H.V.A.C.
- Industrial
- Leisure
- Transportation
- Retail

• Meets FMVSS302A.

• Available with A3 adhesive, an aggressive acrylic that provides an excellent combination of tack and holding power that bonds quickly to most surfaces that are kept clean, dry and free from contamination.

• No outgasing at ambient temperature.

• Inherently resistant to fire, ultraviolet rays, most chemicals, acids and solvents.

• ESL600 Certification for Chrysler Corporation MS-AY565 Types A1, B1 and C1.

• ESL1000 Certification to Chrysler MSAY565 Types A2m B2 and C2.

Eco Seal Series

ESL600 & ESL1000

Roll Sizes

Available Thicknesses:

ESL600 .098" - .787" (2.5mm - 20.0mm)

ESL1000 .059" - .591" (1.5mm - 15.0mm)

Available Widths:

.250" - 57" (6.4mm - 1448mm)

Available Lengths:

25' - 302' (7.7M - 92M)

Benefits & Features

Characteristics common to all Gaska Tape flexible closed-cell foam products include the ability to make a long life seal against air, moisture, light and dust penetration. They cushion and absorb vibration and shock. They also insulate in thermal, electrical and sound applications.

Typical Physical Properties*

Test Method		ESL600	ESL1000
ASTM D-1056	Density (lbs./cu.ft. ³) (kg/m ³)	6	10
		96	160
ASTM D-2240	Hardness (shore 00)	15	25
ASTM D-1056	Compression Deflection @ 25% (psi) kPa	1.2	3.5
		8	24
ASTM D-1056	Compression Set @ 25%	5%	7%
ASTM D-1056	Water Absorption (% by volume)	5.3%	3.1%
ASTM D-412	Tensile Strength (psi) kPa	30	45
		207	310
ASTM D-412	Percent Elongation	200	220
ASTM C-518	Thermal Conductivity (k factor) (btu-in./hr. ·sq.ft. °F) W/mK	0.27	0.28
		0.039	0.039
Recommended Service Temperature (°F) (°C)		-30 - 230 -35 - 110	-30 - 250 -35 - 120
Recommended Application Temperature (°F) (°C)		50 - 110 10 - 45	50 - 110 10 - 45
Fungi Resistance		Excellent	Excellent
Oxidation Resistance		Excellent	Excellent
Weather Resistance		Excellent	Excellent

Notes:

The lengths of the rolls vary depending on the thickness of the material. Gaska Tape offers standard length logs, master logs are double the standard length plus 2" and available upon request for quote.

All tests were performed on material without PSA. Above values reflect average properties.

Typical performance properties and characteristics are based on samples tested and are not guaranteed for all samples of this product.

Data is intended as a guide only and is presented without guarantees and without assumption of liabilities resultant from the use of information provided. This data is not to be used for specification purposes.

Warranty

Gaska Tape Inc. warrants its product to be free from defects in material and workmanship for a period of twelve (12) months beginning on the date of invoice, provided the purchaser installs and uses the products according to any instructions provided by Gaska Tape Inc. Any product which fails during the warranty period due to a defect will be replaced.

Upon request, Gaska Tape Inc. will be pleased to provide a copy of its written Limited Warranty with complete details of coverage, conditions and limitations.

Gaska Tape Inc. makes no other warranty, expressed or implied, and specifically disclaims and disavows any implied warranty of merchantability and of fitness for a particular use.

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