



### DESCRIPTION

Eco Seal<sup>®</sup> Series foams (ESL), are specially formulated for more demanding industrial, automotive, and construction applications. 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 when compressed 30% or more.

ESL600, light density foam is easily flexed and compressed and exhibits excellent conformability. Test results demonstrate that ESL600 can be classified to 2C0 (SCE-40) as specified by ASTM D 1056 and SAE J18.

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 SAE J18.

### ROLL SIZES

Available Thicknesses:

**ESL610** .098" - .787" (2.5mm- 20.0mm)

**ESL1010** .063" - .591" (1.6mm -15.0mm)

Available Widths:

.250" - 57" (6.4mm – 1448mm)

Available Lengths:

25' - 302' (7.6m- 92m)

Test Method- Typical Physical Properties	ESL600	ESL1000
ASTM D-1056 <b>Density</b>	6 lbs/ft <sup>3</sup> 96 kg/m <sup>3</sup>	10 lbs/ft <sup>3</sup> 160 kg/m <sup>3</sup>
ASTM D-2240 <b>Hardness</b> (shore 00)	15	25
ASTM D-1056 <b>Compression Deflection @ 25%</b>	1.2 psi 8 kPa	3.5 psi 24 kPa
ASTM D-1056 <b>Compression Set @ 25%</b>	5%	7%
ASTMD- 1056 <b>Water Absorption</b> (% by volume)	5.3%	3.1 %
ASTM D-412 <b>Tensile Strength</b>	30 psi 207 kPa	45 psi 310 kPa
ASTM D-412 <b>Percent Elongation</b>	200	220
ASTM C-518 <b>Thermal Conductivity</b> (K Factor)	0.27 btu-in./hr-ft <sup>2</sup> -°F 0.039 W/mK	0.28 btu-in./hr-ft <sup>2</sup> -°F 0.039 W/mK
<b>Recommended Service Temperature</b>	-30 - 230 °F -35 - 110 °C	-30 - 250 °F -35 - 120 °C
<b>Recommended Application Temperature</b>	50 - 110 °F 10 - 45 °C	50 - 110 °F 10 - 45 °C

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.<sup>®</sup> 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.<sup>®</sup> will provide a copy of its written Limited Warranty with complete details of coverage, conditions and limitations.

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

### PERFORMANCE CHARACTERISTICS

- Revolutionary in composition, Eco Seal<sup>®</sup> Series foam products compete favorably with high end rubbers such as EPDM, Nitrile, SBR Blends, ECH, EPT.
- ESL Series is a self-extinguishing formulation and meets FMVSS 302A.
- 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.
- Specifically formulated to meet automotive specifications- see **Gaska Tape Automotive Products** on our website.
- Black color standard, other colors and densities available upon request.
- Sulfur-Free

### Additional Information:

You will find the following pages on our website helpful as you consider our products and configurations.

- [Product Description](#)
- [Die Cutting Descriptions](#)
- [Standard Lead Times](#)
- [Standard Product List](#)
- [Manufacturing Tolerances](#)
- [Vinyl Foam Typical Properties](#)

Market & Application info. is also available on our Website.

Please email us for more information:  
salesorders@gaska.com