



DESCRIPTION

Eco Seal[®] 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.

ESL1500, medium density foam exhibits greater dimensional stability, cushioning properties and vibration dampening qualities. Test results demonstrate that ESL1500 can be classified to 2C2 (SCE-42) as specified by ASTM D 1056 and SAE J18.

ESL2100 competes with heavy density urethane in some applications. Test results demonstrate that ESL2100 can be classified to 2B3 (SCE/SBE-43) as specified by ASTM D 1056 and SAE J18.

ROLL SIZES

Available Thicknesses:

ESL1510 .063" - .500" (1.6mm- 12.7mm)

ESL2110 .031" - .250" (0.8mm -6.4mm)

Available Widths:

.250" - 57" (6.4mm – 1448mm)

Available Lengths:

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

Test Method- Typical Physical Properties	ESL1500	ESL2100
ASTM D-1056 Density	15 lbs/ft ³ 240 kg/m ³	21 lbs/ft ³ 336 kg/m ³
ASTM D-2240 Hardness (shore 00)	37	47
ASTM D-1056 Compression Deflection @ 25%	7 psi 48 kPa	11 psi 76 kPa
ASTM D-1056 Compression Set @ 25%	12%	10%
ASTMD- 1056 Water Absorption (% by volume)	1.2%	Less than 1%
ASTM D-412 Tensile Strength	130 psi 896 kPa	144 psi 993 kPa
ASTM D-412 Percent Elongation	265	270
ASTM C-518 Thermal Conductivity (K Factor)	0.30 btu-in./hr-ft ² -°F 0.043 W/mK	0.31 btu-in./hr-ft ² -°F 0.045 W/mK
Recommended Service Temperature	-40 - 250 °F -40 - 120 °C	-40 - 250 °F -40 - 120 °C
Recommended Application Temperature	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.[®] 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 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.

PERFORMANCE CHARACTERISTICS

- 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.
- 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 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