



Description

Eco Seal® Series products are closed-cell foam tapes specially designed for sophisticated industrial, automotive, medical and construction applications.

ESL1500, medium density foam exhibits greater dimensional stability, cushioning properties and vibration dampening qualities. Test results demonstrate that ESL1500 can be classified to 2 C2 (SCE42) as specified by ASTM 1056 and SAEJ18.

ESL2100, heavy density foam exhibits excellent physical properties, abrasion resistance, as well as vibration reduction. Sound deadening and cushioning characteristics are also enhanced.

The ESL2100 competes with heavy density urethane in some

applications. Test results demonstrate that ESL2100 can be classified to 2 B3 (SCE/SBE43) as specified by ASTM 1056 and SAEJ18

Revolutionary in composition, Eco Seal® Series 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 foam completely seals out air, moisture, light and dust when compressed 30% or more.



ESL1500



ESL2100

Performance Characteristics

- With a service temperature variance from -40°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

• 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 outgassing at ambient temperature.

• Available with skin on two sides, for better adhesive bonding to substrate materials, and with single or double sided acrylic adhesives.

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

• ESL1500 Certification to Chrysler MSAY 565 Types A3, B3 and C3.

• ESL2100 Certification to Chrysler MSAY 565 Types A4, B4 and C4.

Eco Seal Series

ESL1500 & ESL2100

Roll Sizes

Available Thicknesses:

ESL1500 .063" - .500" (1.6mm - 12.7mm)

ESL2100 .031" - .250" (0.8mm - 6.4mm)

Available Widths:

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

Available Lengths:

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

Benefits & Features

Characteristics common to all Gaska Tape closed-cell vinyl 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 | | ESL1500 | ESL2100 |
|-------------------------------------------------|--------------------------------------------------------------------|-----------------------|-----------------------|
| ASTM D-1056 | Density (lbs./cu.ft. ³) (kg/m ³) | 15 | 21 |
| | | 240 | 336 |
| ASTM D-2240 | Hardness (shore 00) | 37 | 47 |
| ASTM D-1056 | Compression Deflection @ 25% (psi) kPa | 7 | 11 |
| | | 48 | 76 |
| ASTM D-1056 | Compression Set @ 25% | 12% | 10% |
| ASTM D-1056 | Water Absorption (% by volume) | 1.2% | Less Than 1% |
| ASTM D-412 | Tensile Strength (psi) kPa | 130 | 144 |
| | | 896 | 993 |
| ASTM D-412 | Percent Elongation | 265 | 270 |
| ASTM C-518 | Thermal Conductivity (k factor) (btu-in./hr.·sq.ft. °F) | 0.30 | 0.31 |
| | | .043W/mK | .045W/mK |
| Recommended Service Temperature (°F) | | -40 - 250 | -40 - 250 |
| | | (°C) -40 - 120 | (°C) -40 - 120 |
| Recommended Application Temperature (°F) | | 50 - 110 | 50 - 110 |
| | | (°C) 10 - 45 | (°C) 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.

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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