

Low Density Foam Specifications



DESCRIPTION

Low Density Foam is an industrial, closed cell PVC foam. Class 2A1 under ASTM D1056.

FoamSeal Low Density PVC Foam is bio-compatible and approved for PPE.

APPLICATIONS

Low Density Foam is an economical general purpose foam. Low Density foam is used for applications requiring a seal for tight radius curves. Low density remains pliable at temperatures of -20°C to 82°C.

BACK STRIPPING

Also known as reverse wrapping. Foam Seal/Novagard manufactures the foam with the adhesive side exposed. The length is determined with the foam used in this manner. When the use requires the adhesive side to be against the paper, the product has to be reverse wrapped so the uncoated foam is exposed. This causes a loss of yield in length. The reason for this loss is that the configuration of the foam is changed because the foam is compressed onto a shorter length of liner. The loss will be equal to the outer circumference of the material minus 10 inches.

STORAGE

Product shelf life begins on the date of production as referenced by the lot number. Low Density Foam has a shelf life of 6 months with adhesive and 2 years without adhesive when stored at or below 75°F (24°C).

ADDITIONAL INFORMATION

Foam Seal/Novagard believes that the information provided is a true and accurate description of the typical characteristics of the aforementioned product; however, it is the responsibility of the individual user to thoroughly test the product in their specific application to determine performance, efficacy, and safety.

PRODUCT SPECIFICATIONS*

| Parameter | Condition | Specification |
|-------------------|--|---|
| Gauge (Thickness) | 1/16" to <1/8" (0.15875 cm to <0.3175 cm) | +/- 20% |
| | 1/8" to 3/16" (0.3175 cm to 0.47625 cm) | +/- 15% |
| | 3/16" to 1" (0.47625 cm to 2.54 cm) | +/- 10% |
| Width (Rolls) | 3/16" to <2" wide (0.47625 cm to 5.08 cm) | +/- 1/32" |
| | 2" to 52" wide (5.08 cm to 132.08 cm) | +/- 1/16" |
| Length | ≤ 50' (15.24 m) long | 0" to +6" |
| | > 50' (15.24 m) long | - 1 % to +2 % |
| Density | 1/16" to <1/8" (0.15875 cm to <0.3175 cm) | 7.0 – 10.0 lbs/ft³ (112 – 160 kg/m³) |
| | 1/8" to <3/16" (0.3175 cm to 0.47625 cm) | 6.0 – 9.0 lbs/ ft³ (96 - 144 kg/m³) |
| | 3/16" to 1" (0.47625 cm to 2.54 cm) | 5.5 – 8.5 lbs/ ft³ (88 – 136 kg/m³) |
| Adhesion | Stainless steel | 20 oz / in min (223 g / cm min) Typical value: >30 oz/in (>335 g / cm) |

* Foam without adhesive or liner unless noted. Specifications based on a sample size of three to five. Testing to these specifications may be dependent on the specific application. Specifications are subject to change without notice.

TYPICAL PROPERTIES

| | Test Method | Typical Values |
|---|----------------|--|
| Force to Compress 1/16" to 1/4" ≥1/4" to 1" | ASTM D1667 | 1.8 psi (12.41 kPa) 1.8 psi (12.41 kPa) |
| Compression Deflection | ASTM D1667 | 1.0 psi (6.89 kPa) |
| Water Absorption | ASTM D1056 | 6% |
| Tensile Strength (Die A) | ASTM D412 | 25 psi (172.4 kPa) |
| Elongation With Adhesive | ASTM D412 | 150% |
| Elongation Without Adhesive | ASTM D412 | 160 % |
| Thermal Conductivity (BTU-in/ft²-hr-°F) | ASTM C518 | 0.27 |
| Flammability (Rate – mm/min.) | MVSS 302 | Self-Extinguishing |
| Fungi Resistance | | Excellent |
| Oxidation Resistance | | Excellent |
| Weather Resistance | | Excellent |
| Hardness (Shore 00) | ASTM D-2240 | 25 |

The information provided in the above table is not intended for use in preparing specifications. Information for reference is intended as a general guideline only. Typical values based on a sample size of three to five and performed within 2 weeks of manufacture.