

# FOAM SEAL

When You Want the Seal to Last®

## Low Density Foam Technical Data Sheet

### Description

Foam Seal Low Density is an industrial PVC foam.

### Applications

Foam Seal Low Density 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 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. Foam Seal Low Density has a shelf life of 6 months with adhesive and 2 years without adhesive when stored at or below 75°F.

### Product Specifications

| Parameter           | Test Method | Size Range / Condition | Specification  |
|---------------------|-------------|------------------------|----------------|
| Gage (Thickness)    |             | 1/16" - < 1/8"         | + - 20 %       |
|                     |             | 1/8" - < 3/16"         | + - 15 %       |
|                     |             | 3/16" - 1"             | + - 10 %       |
| Width (Rolls)       |             | 3/16" - < 2" wide      | + - 1/32"      |
|                     |             | 2" - 52" wide          | + - 1/16"      |
| Length              |             | =< 50' long            | - 0" + 6"      |
|                     |             | > 50' long             | - 1 % + 2 %    |
| Density (lbs/cu ft) | ASTM D-1667 | 1/16" - < 1/8"         | 7.0 - 10.0     |
|                     |             | 1/8" - < 3/16"         | 6.0 - 9.0      |
|                     |             | 3/16" - 1"             | 5.5 - 8.5      |
| Adhesion            | ASTM D-1000 | Stainless steel        | 12 oz / in min |

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.

### Information for Reference Only

| Parameter                     | Test Method | Size Range / Condition          | Typical Values     |
|-------------------------------|-------------|---------------------------------|--------------------|
| Hardness "00"                 | ASTM D-2240 |                                 | 24                 |
| Force to Compress (psi @ 25%) | ASTM D-1667 | 1/16" - 1/4"                    | 4.0                |
|                               |             | >=1/4" - 1"                     | 3.0                |
| Compression Deflect.          | ASTM D-1667 |                                 | 2.2 psi            |
| Water Absorption              | ASTM D-1056 |                                 | 6 %                |
| Tensile (psi)                 | ASTM D-412  | DIE A                           | 20                 |
| Elongation (%)                | ASTM D-412  | With adhesive                   | 110 %              |
|                               |             | Without adhesive                | 130 %              |
| Thermal Conductivity          | ASTM C-518  | (BTU-in/ft <sup>2</sup> -hr-°F) | 0.27               |
| Flammability                  | MVSS 302    |                                 | Self-Extinguishing |
| Fungi Resistance              |             |                                 | Excellent          |
| Oxidation Resistance          |             |                                 | Excellent          |
| Weather Resistance            |             |                                 | Excellent          |

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

### Additional Information

Foam Seal 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.

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