

# Low-Density Foam

## PVC



### DESCRIPTION

Low Density Foam is a closed-cell, industrial PVC foam. Classified as 2A1 under ASTM D1056. CCP Low Density PVC Foam is biocompatible and approved for use in PPE applications.

### APPLICATIONS

Low Density Foam is an economical general-purpose foam. It's commonly used for sealing tight-radius curves and flexible gasketing. The foam remains pliable in temperatures from -20°C to 82°C.

### BACK STRIPPING

Also known as reverse wrapping. CCP can supply foam with the adhesive side exposed. Length is measured in that configuration. If the adhesive needs to face the liner, the roll must be rewound — exposing the uncoated side. This change compresses the foam onto a shorter liner and results in a yield loss equal to the outer circumference minus 10 inches.

### STORAGE

Shelf life begins on the production date, as identified by lot number. CCP 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

CCP certifies that this data represents typical characteristics of the material. However, it is the customer's responsibility to test the foam in their specific application to confirm performance, safety, and suitability.

| Parameter         | Condition                                 | Spec                                                                      |
|-------------------|-------------------------------------------|---------------------------------------------------------------------------|
| 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/ft <sup>3</sup> (112 – 160 kg/m <sup>3</sup> )             |
|                   | 1/8" to <3/16" (0.3175 cm to 0.47625 cm)  | 6.0 – 9.0 lbs/ft <sup>3</sup> (96 – 144 kg/m <sup>3</sup> )               |
|                   | 3/16" to 1" (0.47625 cm to 2.54 cm)       | 5.5 – 8.5 lbs/ft <sup>3</sup> (88 – 136 kg/m <sup>3</sup> )               |
| Adhesion          | Stainless steel                           | 20 oz / in min (223 g / cm min)<br>Typical value: >30 oz/in (>335 g / cm) |

| Properties                                           | Test Method | Values              |
|------------------------------------------------------|-------------|---------------------|
| Force to Compress 1/16" to 1/4"                      | ASTM D1667  | 1.8 psi (12.41 kPa) |
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| 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/ft <sup>2</sup> -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                  |

Typical values based on a sample size of 3–5. Not for use in preparing specifications. CCP recommends validating performance within 2 weeks of manufacture.