



Material Specification Sheet

Material Number: 29001

Description: 2 lbs. / ft.³ Crosslinked Polyethylene Fine Cell Foam

Applications: 29001 is soft, aesthetically pleasing material offering superior flexibility, elasticity and resiliency. It exhibits exceptional mechanical strength and durability.

This material can be cut, slit, die cut, skived, sewn, embossed, vinyl dipped and adhesive coated, and are ideal for heat and adhesive lamination to a variety of materials including metals, plastic films, and most textiles. This is a popular material for use in the sports, marine and decorative packaging industries.

Product Construction: Closed-Cell Polyethylene Foam

Typical Physical Properties:

| Property | Test Method | Value |
|-------------------------------|-------------|--|
| Density | ASTM D 3576 | 2.0 ± 1 lbs. / ft. ³ |
| Compressive Strength 25% | ASTM D 3576 | 5 – 10 psi |
| Compression Set 50% | ASTM D 3576 | 40% max |
| Tensile Strength | ASTM D 3576 | 25 psi min. |
| Elongation | ASTM D 3576 | 100% min. |
| Thermal Conductivity | ASTM D 3576 | 0.24 – 0.3 (BTU*in)/(hr*ft ² *°F) |
| Water Absorption | ASTM D 3576 | 0.1 lbs. / ft. ² max |
| Flammability | FMVSS302 | Pass at >.25" (6.35 mm) thickness |
| Recommended Temperature Range | N/A | -40°F to 210°F (140°C to 99°C) |

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