

Specifications

Doming Material



Clear, flexible, polyurethane doming material is designed to dent and rebound instead of scratching. DomeTag Brand Labels are produced using 100% solvent-free urethane with a durometer of 45-50 Shore-D. Doming thickness can be controlled from 50-90 mils \pm 10 mils. Mercury-free and RoHS compliant doming material available upon request.

Operating temperature: -40° F to +140° F (-40° C to +60° C). No effect from several hours exposure at 300° F (149° C). No effect from split-second exposure to direct flame from propane torch. Sustained exposure to direct flame (1500° F/ 816° C) will liquefy the doming material, but avoids holding a flame unless exposed to continuous extreme temperature.

Outdoors: It has been laboratory tested to withstand the equivalent of three years of Florida sunlight in a salt-water mist without any shrinkage, yellowing, or deterioration. Passed 1,500 hours QUV exposure. Passed 1,500 hours Xenon Arc Weatherometer at 2,900 kJ/m². Passed 113,000 Langley's - Outdoor Florida Weathering (exposure to direct weather 5° from horizontal facing South).

Chemical Resistance: no effect from fresh or salt water; no effect from moderate to weak acids and alkali; no effect from alcohols (e.g. methanol); glycols and glycol ethers (e.g. ethylene glycol) acceptable, but some swelling may occur; aromatic and aliphatic hydrocarbons (e.g. benzene and toluene) may cause some loss of gloss and swelling; ketones, esters, and chlorinated hydrocarbons may cause some loss of gloss and swelling.

Graphics



Four-Color, Colorfast Imaging Inks: We print in full color with nearly photographic quality (comparable to the printing in a color magazine) to maximize your creative possibilities. Our print quality is so superior that we can print blended colors, photographs, or even natural backgrounds like imitation wood veneer. Our inks are colorfast to avoid fading, even after the equivalent of three years of Florida sunlight.

Substrates



White Substrate

Your image is printed on light-stable, 2 mil thick, white substrate. This is a top-coated, digitally printable, white polyester film, coated with 2 mil Elephant Snot, a permanent, pressure-sensitive, acrylic adhesive. This construction is backed with an ultra-smooth, clear, 4 mil polyester, release liner. The temperature service range is -40° F to 302° F (-40° C to 150° C). The minimum application temperature is 50° F (10° C).

Bright Silver Substrate

Your image is printed on light-stable, 2 mil thick, silver substrate. This is a top-coated, digitally printable, metallized, silver, polypropylene film, coated with 2 mil Elephant Snot, a permanent, pressure-sensitive, acrylic adhesive. This construction is backed with an ultra-smooth, clear, 4 mil polyester, release liner. The temperature service range is -40° F to 176° F (-40° C to 80° C). The minimum application temperature is 50° F (10° C).

Clear Substrate

Your image is printed on light-stable, 1 mil thick, clear substrate. This is a top-coated, digitally printable, clear, polyester film, coated with 2 mil Elephant Snot, a permanent, pressure-sensitive, acrylic adhesive. This construction is backed with a ninety-pound lay-flat release liner. The temperature service range is -50° F to 250° F (-46° C to 121° C). The minimum application temperature is 55° F (13° C).

Matte Silver Substrate

Your image is printed on light-stable, 2 mil thick, matte silver substrate. This is a top-coated, digitally printable, metallized, matte silver, polyester film coated with 1 mil, permanent, pressure-sensitive, acrylic adhesive. This construction is backed with a ninety-pound lay-flat release liner. The temperature service range is -50° F to 250° F (-46° C to 121° C). The minimum application temperature is 55° F (13° C).

Brushed Silver Substrate

Your image is printed on light-stable, 2 mil thick, brushed silver substrate. This is a top-coated, digitally printable, metallized, brushed silver, polyester film coated with 1 mil, permanent, pressure-sensitive, acrylic adhesive. This construction is backed with a ninety-pound lay-flat release liner. The temperature service range is -50° F to 250° F (-46° C to 121° C). The minimum application temperature is 55° F (13° C).

Other Custom Substrates Available

Some of the many custom substrates available are gold metallized polyester and rainbow holographic. If you don't see the substrate construction you are looking for, please call your doming specialist.

Adhesives



Elephant Snot

Our most popular adhesive, Elephant Snot, is a permanent, pressure-sensitive, acrylic adhesive that bonds great to metal, plastic, glass, and other smooth or lightly textured surfaces. This adhesive will increase its bond over time and actually "cure" to the bonding surface. It is specifically designed for applications. We recommend this 2-mil adhesive for most surfaces. Let us know if you have a unique application. We recommend using the minimum possible adhesive thickness. If the adhesive is too thick, it causes a gap underneath the label that invites dust and dirt to slowly wedge the label off the surface it is mounted to. Elephant Snot adhesive is best when used within two years of production. It should be stored at 70° F (21° C) and 50% relative humidity. Labels should be applied at room temperature with a minimum application temperature of 50° F (10° C). Additional heat during application will help the adhesive flow to the bonding surface. Once the label is attached, the adhesive has a service temperature range of -40° F to 302° F (-40° C to 150° C).

Custom adhesives

We have a wide variety of adhesives, including 3M™ brand adhesives.

Textile Adhesives

We have special adhesives for bonding to textiles with either a proprietary hot-melt adhesive or a pressure-sensitive rubber/acrylic combination fiber adhesive

Liners

White Poly-Coated Adhesive Release Liner

Labels may be shipped on 7 mil, ninety-pound white paper release liners, which is poly-coated on two sides (custom adhesives may require different liners). This is one of our preferred lay-flat liners for best results.

Clear Release Liner

Labels may be shipped on ultra-smooth polyester release liners, which is poly-coated on two sides (custom adhesives may require different liners). This is one of our preferred lay-flat liners for best results.

Warranty

Limited Warranty

Labels are warranted for ten years from date of purchase against defects of materials or in workmanship; six years against yellowing of the doming material; and six years indoor /three years outdoor against noticeable fading or discoloration of the image. If this product should become defective during the warranty period, we will replace it free of charge promptly upon receipt of defects. This warranty does not include defects caused by misuse or misapplication.