



PVC Film Specifications

DESCRIPTION. CET metallized vinyl films are exceptionally suited for general purpose applications, such as packaging, labels, decal signage. These films resist most marring and staining. CET vinyl films are cut easily using computer plotter, steel rule or thermal die methods, guillotine shear or rotary blade cutters. These films can be printed using vinyl screen print inks, thermal transfer systems solvent-based ink jet printers and hot foil stamp devices.

FACE FILM. Extruded 3 mil rigid vinyl (PVC) metallized film.

ADHESIVE. Hot melt rubber based adhesive. Permanent, clear acrylic adhesive available.

RELEASE LINER. The following liners are available:

- * 50# for roll label printing
- * 78# for plotter cutting
- * 96# lay flat for screen printing
- * 100# printable (available as a special order)

OUTDOOR DURABILITY. Up to 12 months outdoor durability for decorative vinyl films. Outdoor durable films available with durability to 5 years.

CET films should not crack, peel, blister or delaminate, when processed and installed in accordance with accepted industry practice standards to vertical substrates. Some color fade, chalking and gloss reduction may occur within the stated period of durability.

APPLICATION SURFACE. Suitable for general purpose signage applications on clean, smooth, non-porous, flat surfaces. Some clear and automotive paints, which contain additives to repel dirt, grime, graffiti, etc., are problematic and not recommended for application. Untreated low-energy surfaces, such as polyethylene and polypropylene, are not recommended for application. For information on special adhesive systems designed for these unique applications, call CET Customer Service. Metallized films, such as many reflective polyesters, and CET PVC films, are not recommended for application to untreated metal surfaces, because dissimilarity of metals can result in galvanic corrosion.

APPLICATION TEMPERATURE RANGE. 60°F to 90°F. 16°C to 32°C.

SERVICE TEMPERATURE RANGE. -30°F to 165°F. -22°C to 74°C.

THICKNESS. 4.0 mil (including adhesive); 3 mil PVC film with 1 mil adhesive.

CHEMICAL RESISTANCE. Resists many chemicals with intermittent contact (not submersion).

SHELF LIFE. One year from date of purchase, when stored properly, in an environment free from excessive humidity, temperature extremes and direct sunlight.

WARRANTY. Prior to production, the fabricator needs to determine the suitability of the raw materials for the intended application, including testing the compatibility of the material with the printing or decorating technique.

Gels are inherent in the vinyl extrusion process. A limited number is generally regarded as commercially acceptable.

To create the embossed texture on the second surface of CET vinyl, a pattern is etched into a flat metal stamping die called a shim. The shim is wrapped around a cylinder. The point, at which the two ends of the flat plate meet, often creates an impression in the film, a "shim line". This is not a defect, rather an inherent byproduct of the manufacturing process. Take this line into consideration, in designing your graphics.

Products are only warranted to be free of defects in workmanship or material at time of shipment. Manufacturer will replace or credit any material manufacturer deems defective. No acceptance or responsibility for loss, damage or expense, implied or otherwise shall be assumed by seller or manufacturer. User assumes all risk and liability in connection herewith.

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