



PRODUCT DATA BULLETIN

Series – 2100/2200

Premium High Performance Cast Vinyl Film

Product Description:

FDC Series – 2100/2200 is a premium quality, flexible, solid and metallic opaque gloss vinyl film designed for use in architectural signage, striping, transportation graphics and general sign markings. This series offers exceptional value for application requiring extended durability.

Physical Properties:

Description:

Cast vinyl

Color Availability:

Variety of solid and metallic colors - see color chart
(opacity varies by color)

Finish:

Gloss

Film Thickness:

2.0 mil

Adhesive:

Permanent – Clear Acrylic
(some colors have opaque adhesive – see color chart)

Adhesion:

PSTC-1 (15min.) 3-3.5 lbs/in
PSTC-1 Ultimate Bond 5 lbs/in

Durability:

Solid – up to 9 years*
(*when properly processed & applied / vertical exposure)
Metallic – up to 6 years*
(*when properly processed & applied / vertical exposure
metallic films should not be used in horizontal applications)

Tensile Strength:

≥ 4.5 lb/in width
(Tensile Tester with 2-in jaw separation cresshead speed of 12 in/min.)

Elongation:

Opaque ≥ 170% Metallic ≥ 100%
(Instron Tensile Tester as above)

Dimensional Stability:

0.010 – 0.020 in
(158°F, 48 hours)

Humidity Resistance:

No appreciable effect
(film applied to etched aluminum panels 24 hrs prior to testing, 100% relative humidity at 100°F for 500 hrs.)

Gasoline Resistance:

No appreciable effect
(film applied to etched aluminum panels 24 hrs prior to testing, immersed 15 mins at 70°F; stabilized 24 hrs before inspection.)

Liner:

78# bleached white kraft

Application:

Flat, simple curves, rivets and corrugation

Temperature:

Minimum Application Temperature: 40°F – optimum 60°F
Service Temperature: -40°F to 200°F

Shelf Life:

One year when stored at 70°F and 50% relative humidity

Printability:

Thermal transfer & Screen printable
(a print test is recommended prior to production to determine the suitability of this product given the end user's particular printing system and intended use)

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Warranty: Data provided by FDC is for general information only. This data is not to be used for exacting specification purposes. Always pretest product. Suitability for any given application is the responsibility of the user. Since FDC cannot control the conditions under which the products referred to herein may be used or handled, it can make no guarantee as to the effectiveness, safety or applicability with respect hereto. FDC's only obligation shall be to replace such quantity of product proven to be defective. FDC shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use or the inability to use the product. Before using, the user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. The seller, FDC, shall not be liable for any default or delay caused by contingency beyond its control or the control of its supplier including but not limited, short or reduced supply of fuel, or other integral components of the product.