



## 2301 Series – FDC® Premium High Performance Engineered Film

FDC 2301 series is a premium grade high performance engineered vinyl film designed for producing permanent signage, graphics and decals requiring long-term durability. This product features excellent outdoor durability and conformability making it an ideal substitute for cast films in many common applications. To order punched material, use part number 2351.

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<b>Film Technology:</b> .....	<b>High Performance Engineered - PVC</b>
<b>Film Thickness:</b> .....	<b>2.4 mil.</b>
<b>Color Availability:</b> .....	<b>See color chart</b>
<b>Outdoor Durability:</b> .....	<b>8 years - when properly processed and displayed</b> (*Expected Durability: unprinted media, vertical exposure and ideal conditions.)
<b>Adhesive:</b> .....	<b>Permanent / Clear - Acrylic</b>
<b>Adhesion:</b> .....	<b>24 hrs = 2.5 lbs/in</b> (PSTC-1, 180° peel @ 12” / min, 73° F, on stainless steel. Typical values – individual values may vary. Test prior to use.)
<b>Liner:</b> .....	<b>78# Clay Coated</b>
<b>Application:</b> .....	<b>Flat Surfaces, Simple Curves, Rivets and Corrugations</b> (FDC recommends our 2100 series cast films for applications requiring: complex curves, hard-to-apply-to surfaces, extended durability and ultimate conformability such as large rivets and deep corrugations.)
<b>Printing:</b> .....	<b>Thermal Transfer, Screen</b> (*A print test is recommended prior to production to determine the suitability of this product given a particular printer, rip, ink type and ink set. Allow at least 24 hours for inks to dry and properly outgas prior to lamination.)
<b>Chemical Resistance:</b> .....	<b>Excellent:</b> Water (not rated for immersion) and Humidity <b>Good:</b> Aliphatic solvents, petroleum based oils and grease
<b>Temperature:</b> .....	<b>Minimum Application Temperature is 40°F</b> <b>Service Temperature Range is -40F to 200°F</b>
<b>Shelf Life:</b> .....	<b>1 year - when stored at 70°F and 50% relative humidity</b>

**Note: For further information regarding: printing, substrate cleaning, application, maintenance, durability and removal please review the corresponding instructional bulletin available at [www.fdcfilms.com](http://www.fdcfilms.com).**

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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.