



## 9004 Series – Expand Opaque Colors: Thermal Advantage™ Heat Transfer Film

FDC 9004 Series is a very stretchable opaque colored heat transfer film designed for application to performance textiles. This Thermal Advantage™ product features excellent weeding capability for detailed designs, hot or cold peel for fast application and opacity for multi layer jobs. For use on 100% cotton, 100% uncoated polyester, poly/cotton blends, Lycra®/spandex and leather. To order punched material, use part number 9054.

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<b>Film Technology:</b> .....	<b>Polyurethane</b>
<b>Film Thickness:</b> .....	<b>3.5 mil</b>
<b>Color Availability:</b> .....	<b>Variety of Colors – see color chart</b>
<b>Outdoor Durability:</b> .....	<b>N/A</b> (The overall durability of this product has not been determined and will be based on its use, maintenance and environment. Opaque colors may be used in exterior applications, but have no expected outdoor durability.)
<b>Adhesive:</b> .....	<b>Permanent (Heat Activated) /Clear</b>
<b>Liner:</b> .....	<b>Pressure Sensitive PET</b>
<b>Application:</b> .....	<b>100% Polyester, 100% Cotton, Poly/Cotton Blends, Lycra®/spandex and Leather</b> (*Test is recommended prior to production to determine the suitability of this product given the end user’s particular textile and intended use.)
<b>Cut:</b> .....	<b>Reverse</b>
<b>Layer:</b> .....	<b>Yes</b>
<b>Preheat Garment:</b> .....	<b>Yes</b>
<b>Time:</b> .....	<b>15 seconds</b>
<b>Temperature:</b> .....	<b>305° F</b>
<b>Pressure:</b> .....	<b>Medium-Firm</b>
<b>Peel:</b> .....	<b>Hot or Cold</b>
<b>Washing:</b> .....	Turn garment inside out and machine wash using a cold setting with mild detergent. Do not bleach or dry clean. Dry at normal temperatures. Follow all garment instructions. Wait 24 hours before first wash.
<b>Printing:</b> .....	<b>N/A</b>
<b>Shelf Life:</b> .....	<b>2 years - 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.