

KODAK PROFESSIONAL UV-Curable Display Films and Paper

Kodak

TECHNICAL DATA / DISPLAY MATERIALS

February 2015 • E-4048

Three output solutions for the commercial display market, bringing the premium look and feel of photo-grade printing to UV-curable inkjet applications.

KODAK PROFESSIONAL UV-Curable Display Film — Plus, KODAK PROFESSIONAL UV-Curable Clear Display Film and KODAK PROFESSIONAL UV-Curable Display Paper enable the creation of high quality backlit displays and prints using UV-Curable inkjet technology. Similar to KODAK PROFESSIONAL ENDURA Transparency Display Material and KODAK PROFESSIONAL ENDURA Premier Paper, these products feature exceptional clarity, consistency, and quality for improved productivity and retail impact.

With UV-Curable Display Films and Paper, labs can now offer high quality alternatives to traditional display materials that are ideal for point-of-sale use, especially in high-traffic applications.

CHARACTERISTICS

KODAK PROFESSIONAL UV-Curable Display Film — Plus

Produce a wide range of output solutions that balance quality and value with the look and feel of photographic display film.

FEATURE	BENEFIT
<i>Workflow Productivity</i>	
<ul style="list-style-type: none"> Quality and consistency—within a roll, from roll-to-roll, and batch-to-batch 	<ul style="list-style-type: none"> Fast job setup, few remakes, minimal waste Consistent quality output
<ul style="list-style-type: none"> Optimal thickness for UV-curable inkjet printing 7-mil KODAK ESTAR Base support, coated with a translucent diffuser layer on one side 	<ul style="list-style-type: none"> Optimized for printer transport, yet durable, flexible, less prone to kinking
<ul style="list-style-type: none"> Specifically designed for UV-Curable inkjet printing 	<ul style="list-style-type: none"> Printable surface (highest gloss) is optimized for ink adhesion and is wound facing the outside of the roll
<i>Image Performance</i>	
<ul style="list-style-type: none"> Proprietary KODAK ESTAR Base and diffuser layer 	<ul style="list-style-type: none"> Photographic look and feel of finished products similar to KODAK PROFESSIONAL ENDURA Transparency Display Material
<ul style="list-style-type: none"> Brilliant white film base (diffuser layer) 	<ul style="list-style-type: none"> Exceptional white highlights and vibrant colors Customer-preferred D-min (brightness and color)
<ul style="list-style-type: none"> Day/night option 	<ul style="list-style-type: none"> Versatility—can be backlit or frontlit Reflective qualities provide dramatic impact with zero energy usage when the backlighting is turned off

KODAK PROFESSIONAL UV-Curable Clear Display Film

Ideally suited for backlit display in point-of-sale use, especially in high-traffic applications.

FEATURE	BENEFIT
<ul style="list-style-type: none"> Superior Ink adhesion 	<ul style="list-style-type: none"> Exceptionally durable finished images that can withstand the rigors of transportation and installation
<ul style="list-style-type: none"> 7-mil thickness is ideal for UV-Curable inkjet printing 	<ul style="list-style-type: none"> Optimized for printer transport Durable, flexible, less prone to kinking
<ul style="list-style-type: none"> KODAK ESTAR Base 	<ul style="list-style-type: none"> Defect free Dimensionally stable Will not stretch, deform or delaminate in use Resists curling and unrolls flat even after storage Tear proof and crack resistant Heat tolerant in use
<ul style="list-style-type: none"> Uniform density and color 	<ul style="list-style-type: none"> Roll-to-roll and batch-to-batch Finished product has a photographic look that is very similar to the award-winning KODAK PROFESSIONAL ENDURA Clear Display Material Consistent supply of media when you need it

KODAK PROFESSIONAL UV-Curable Display Paper

Produce display prints with the look and feel of KODAK PROFESSIONAL ENDURA Premier Paper. When compared to commonly available commercial printing products, this paper features a true Matte (N) surface, a whiter base, and increased physical durability.

FEATURE	BENEFIT
<i>Workflow Productivity</i>	
<ul style="list-style-type: none"> Quality and consistency—within a roll, from roll-to-roll, and batch-to-batch 	<ul style="list-style-type: none"> Fast job setup, few remakes, minimal waste Consistent quality output
<ul style="list-style-type: none"> Specifically designed for UV-Curable inkjet printing 	<ul style="list-style-type: none"> Optimal Ink adhesion
<i>Image Performance</i>	
<ul style="list-style-type: none"> Professional, proprietary, resin-coated paper, Matte (N) surface Non-backprint, 220 g/m², 8.5 mil 	<ul style="list-style-type: none"> Finished prints with the look and feel of award-winning KODAK PROFESSIONAL ENDURA Premier Paper for premium quality signage
<ul style="list-style-type: none"> Brilliant white paper base 	<ul style="list-style-type: none"> Exceptional white highlights and vibrant colors for prints that pop with photo appeal

KODAK PROFESSIONAL UV-Curable Display Films and Paper

SPECIFICATIONS

KODAK PROFESSIONAL UV-Curable Display Film — Plus and UV-Curable Clear Display Film

Winding	Sp. 901, base side out, diffuser side in
Printing	Print on base side (highest gloss side)
Illumination	Designed for backlit applications
Thickness	7-mil support thickness
Recycling	This material is recyclable. See publication <i>KODAK PROFESSIONAL ENDURA Media and Process RA-4 Chemicals Environmental Information</i> at www.kodaksino.com

Dimensional Stability

Thermal Coefficient of Expansion (length, width)	0.001% / degree F (0.0018% / degree C)
Humidity Coefficient of Expansion (length, width)	0.0008% / % RH

KODAK PROFESSIONAL UV-Curable Display Paper

Winding	Print on the outside of the roll
Weight	220 g/m ²
Finish	Matte (N) (both sides)
CIE Brightness	Outside of roll: 100 Inside of roll: 96
Lamination	Product can be laminated with pressure sensitive or thermal laminates
Recycling	Not recyclable. This product can be disposed of by incineration with energy recovery.

STORAGE AND HANDLING

These products can be handled in room light conditions (no darkroom required).

Store unused materials between 65 and 80°F (18 and 27°C) in the original sealed package. High temperatures or high humidity may produce unwanted print quality changes.

Cutting

To avoid edges that result in ink chipping, be sure your finishing equipment blades are sharp. Also make sure the product is kept flat and doesn't buckle during cutting. Dull finishing equipment or material that is not flat during cutting can lead to poor edge quality.

TM: Endura
Kodak, Kodak Professional and Estar trademarks are used under license from Eastman Kodak Company.

New 2-15

KODAK PROFESSIONAL UV-Curable Display Films and Paper
Kodak Publication No. E-4048

Operating Conditions

Please follow standard operating conditions recommended by the printer manufacturer for UV-Curable display products.

Post-Printing Treatments

Product can be laminated with pressure sensitive or thermal laminates.

FLAMMABILITY (BURN) CHARACTERISTICS

The **American Society for Testing and Materials (ASTM) E-84** test results for UV-Curable Display Materials are as follows:

	KODAK PROFESSIONAL UV-Curable Display Film — Plus and UV-Curable Clear Display Films	KODAK PROFESSIONAL UV-Curable Display Paper
Flame Spread (FSI)	5	0
Smoke Developed Index (SDI)	125	20
Overall Test Classification	A	A

The lower the FSI, the better the surface flame spread characteristics of the material. If the FSI is 25 or less, the material is classified A. Class A is the most desirable, and has few use restrictions. If the FSI is between 26 and 75, the material classification is B. If the FSI is 76 and above, the classification is C. For any material, the Smoke Developed Index must be < 400.

For more information, refer to Current Information Summary, CIS-37, *Combustion of KODAK Films, Resin-Coated Photographic Papers, and Print and Display Materials*, available on our website:

http://www.kodak.com/eknec/documents/d2/0900688a80295fd2/KES_CIS37ENG.pdf.

MORE INFORMATION

Kodak has many publications to assist you with information on KODAK PROFESSIONAL Imaging Solutions' products, equipment, and materials.

For updated technical support publications visit: www.kodaksino.com
For KODAK PROFESSIONAL Imaging Solutions' Product Support in the U.S.A.: 1-800-242-2424, Ext. 19 Monday-Friday, 9 a.m.-7 p.m. (Eastern time)