

# KODAK 700 Films / ESTAR Base Ink Receptor Films

—Put a century of science in your hands—

June 2014



KODAK 700 Film / ESTAR Base is a clear polyester (PET) film with a layer designed to improve ink adhesion. The ink adhesion layer is coated during the manufacture of the film. Less handling of the film improves the quality and reduces the cost.

## Features:

- Excellent surface quality
- Optically clear
- Shrinkage in both the machine direction (MD) and transverse direction (TD) of  $\leq 3\%$
- Greater than 91% transmittance
- Less than 5% haze

## Uses:

- Overhead transparencies
- Labels

## Physical Condition

### Roll Integrity

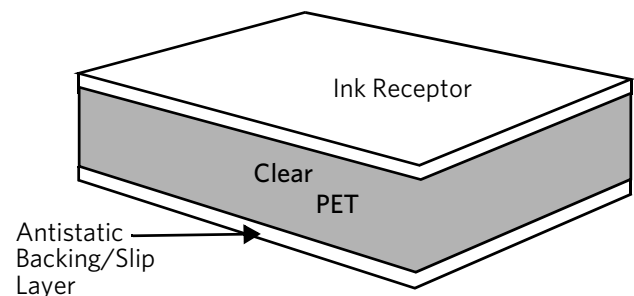
- The edge of the roll will be free of nicks, cuts or visible telescoping greater than  $\pm 6.3$  mm (0.25 inches)
- The roll will not contain gauge bands which visibly distort the film surface
- There are no splices or cutouts in the roll

### Product Quality

- Kodak inspects material during the manufacturing process using in-line scanners to detect, correct, and deliver material that meets or exceeds specifications. Kodak quality technicians consistently evaluate sample product quality using internal and external standards to confirm quality standards are met.

### Packaging

- Standard core; inside diameter 152mm  $\pm$  3mm (6 inches  $\pm$  0.04 inch)
- Each roll is suitably wrapped to seal the product.
- Each roll is horizontal, supported on core ends.
- Each container is labeled with product and roll identification.



## KODAK 700 Films / ESTAR Base

Typical Properties	Value	Test Method
<b>Physical</b>		
Width Tolerance	± 3 mm	Kodak Inline Scanner
Length Tolerance	± 30 m	Kodak Inline Scanner
Knurls — each side	12.5 mm wide	
Planarity	< 0.5 mm	Kodak Planarity Method (Max "flute" — 10 ft sample)
<b>Mechanical</b>		
Tensile Strength	> 25,000 psi	ASTM D 882
Break Elongation	> 70%	ASTM D 882
Young's Modulus	> 500,000 psi	ASTM D 882
<b>Thermal</b>		
Heat Shrinkage — Machine (MD)	≤ 3.0%	Kodak Method (30 min @ 150°C)
Heat Shrinkage — Transverse (TD)	≤ 3.0%	
<b>Optical</b>		
VLT — with primer	> 91%	
Haze as made	≤ 5.0%	ASTM D 1003
Color YI	- 0.1	

### SIZES AVAILABLE

The table below shows catalog numbers available at the time of publication. It is by no means inclusive, please contact us regarding your specific needs.

CAT No.	Class	Thickness	Width (mm)	Length (m)	Shrink (%)
<b>KODAK 700 Film / Ink Receptor</b>					
133 3392	6RF1-300R	76	1391	2743	3.0

### MORE INFORMATION

Kodak has many publications to assist you with information about KODAK Products, Equipment, and Materials.

For the latest version of technical support publications for KODAK Industrial Materials Group, please visit Kodak online at <http://www.kodak.com/go/img>.

To find out what PET Films can do for your business, please send us an email at [PETproducts@kodak.com](mailto:PETproducts@kodak.com).

NOTICE: While the data in this publication are typical of production coatings, they do not represent standards which must be met by Kodak. Varying storage, exposure, and processing conditions will affect results. Kodak makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. The company reserves the right to change and improve product characteristics at any time.

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