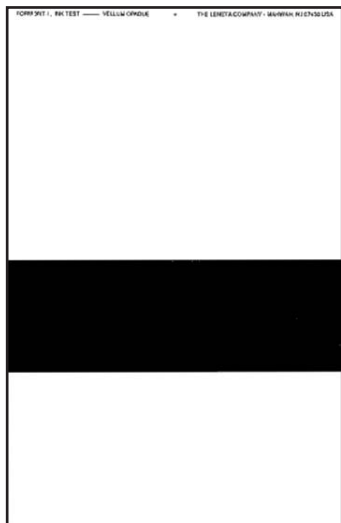


## Printing Ink Drawdown Sheets



Available in nine different grades of paper, these sheets provide a variety of substrates for testing ink qualities. They are also useful for testing other coatings because of their range in absorbancy and texture.

**Sheet Size:** 5 x 7-5/8 in (127 x 194 mm)  
**Paper:** Non-fluorescent. Unwatermarked  
**Ink:** Jet black. Non-bleeding.  
**Padding:** 100 sheets per pad.  
**Packaging:** 1000 sheets (10 pads) per box

### Paper Description<sup>1</sup> and Form Number Identification

Form Number	3NT-1	3NT-2	3NT-3	3NT-4	3NT-5	3NT-6	3NT-7	3NT-8	3NT-9 <sup>4</sup>
Paper Type	Vellum Opaque	Translucent Bond <sup>2</sup>	Coated Book	Regular Bond	Unbleached Kraft	Transparent Bond <sup>2</sup>	Newsprint	Web Offset Coated	Box Laminate
Shade	Neutral White	Neutral White	Neutral White	Neutral White	Brown	Neutral White	Cream White	Neutral White	Mottled White
Basis Ream Weight <sup>3</sup>	60 lb	15 lb	80 lb	20 lb	40 lb	14 lb	32 lb	45 lb	125 lb
Basis Sheet size (in)	25 x 38	17 x 22	25 x 38	17 x 22	24 x 36	17 x 22	24 x 36	25 x 38	14 x 36
Poundage (lb/Mft <sup>2</sup> )	18.2	11.6	24.2	15.4	13.3	10.8	10.7	13.6	41.7
Grammage (g/m <sup>2</sup> )	89	56	118	75	65	53	52	67	203
Caliper (mils)	5.0	2.5	3.7	3.9	4.0	2.0	3.0	2.5	10.0
Caliper (µm)	127	64	94	99	102	51	76	64	254
Density (g/cm <sup>3</sup> )	0.70	0.89	1.26	0.76	0.64	1.04	0.68	1.05	0.80
Boxes per case	5	6	6	6	5	6	6	6	4
Box weight (lb)	6	4	8	5	5	5	4	5	3

Available on request: Forms 3NT-3 and 3NT-4 in special sizes for ink proofers, printed or unprinted.

- Notes:
1. Indicated weights, densities and calipers are nominal and/or approximate.
  2. These papers are absorbent despite their high level of transparency.
  3. Ream of 500 basis sheets.
  4. This is a laminate of white on brown kraft paper, representative of white corrugated box surfaces, and showing a typical mottled appearance. 500 sheets/box, unpadding.

### Clear Polyester Overlay Sheets

Same Size as Printing Ink Drawdown Sheets.

Form No.	Thickness	Box Quantity	Boxes Per Case	Box Weight
P300-4NT	4 mil (100 µm)	250	4	3 lb
P300-7NT	7 mil (178 µm)	250	4	4 lb

See Page 19 for the complete range of available sizes and thicknesses.

# Leneta Paper-Testing Inks

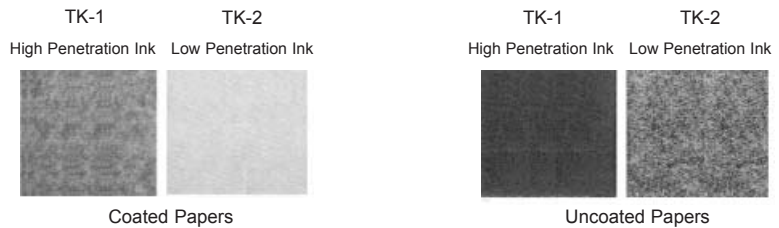
For Evaluating Mottle, Holdout and Porosity  
of Coated and Uncoated Papers

**Item No. TK-1 : High Penetration for Coated Papers**  
**Item No. TK-2 : Low Penetration for Uncoated Papers**

These testing inks provide a simple and rapid way of monitoring batch-to-batch variations in paper structure and porosity. Inks of both high and low penetrations are required because the penetration quality of the ink must be appropriate to the holdout of the paper surface being tested. Coated papers, being relatively high in holdout, require a high penetration ink to obtain a sufficiently strong color and mottle pattern. Uncoated papers, being low in holdout, require a low penetration ink to avoid excessively strong color that would overwhelm any mottle or holdout distinctions. Examples of test patterns obtained using the two inks, demonstrating their specialized nature, are as follows:



TK-1



TK-2

**Test Procedure:** Spread the ink on the paper to be tested using a spatula or drawdown applicator (see TK-100 Applicator below). After one minute remove the ink by first scraping off most of it with a straight edge, then wiping away the remainder carefully with a clean paper towel. The resultant test pattern is characterized visually for mottle and porosity. To obtain an instrumental value for porosity, measure the CIE-Y reflectances, or the densitometer values, of the stained and unstained areas, then calculate:

$$\frac{\text{Porosity Index (Holdout)}}{100} = \frac{Y_{\text{unstained}} - Y_{\text{stained}}}{Y_{\text{unstained}}} = \frac{10^{\Delta D} - 1}{10^{\Delta D}}$$

Where D = densitometer value and  $\Delta D = D_{\text{stained}} - D_{\text{unstained}}$

### PACKAGING

TK-1	118 mL	(227 grams -- 1/2 lb) per jar
TK-2	118 mL	(151 grams -- 1/3 lb) per jar
8 jars per case		

### Item No. TK-100: Applicator for Paper-Testing Inks



TK-100

Constructed of aluminum, this low cost applicator is designed specially for use with Leneta Testing Inks. One edge has a 10 mil (250 µm) clearance and applies a 3 inch (75 mm) wide film. The opposite edge can be used as a convenient scraper.

Dimensions: 5 in x 2 in x 1/8 in (127 mm x 51 mm x 3 mm)