



# SPECIFICATION SHEET

This product specification sheet provides the detail to aid you in identifying the most appropriate product type to meet your company's specific requirements.

Please direct questions to: **Ricoh Customer Service 1-800-843-7058**

## DESCRIPTION

N140PF's direct thermal top coated label stock is durable, has high sensitivity, strong resistance to plasticizers, and prints at high speeds

## Key Features

Completely Phenol Free, Standard top-coated, Medium-high image resolution, High sensitivity, Strong image preservation against most environments



# — APPLICATION AREAS —



Weigh Scale Labels



Shipping Labels



Meat Processing



Distribution/Inventory



Product ID

# FACESTOCK / PRESERVATION PROPERTIES

## FACESTOCK PROPERTIES

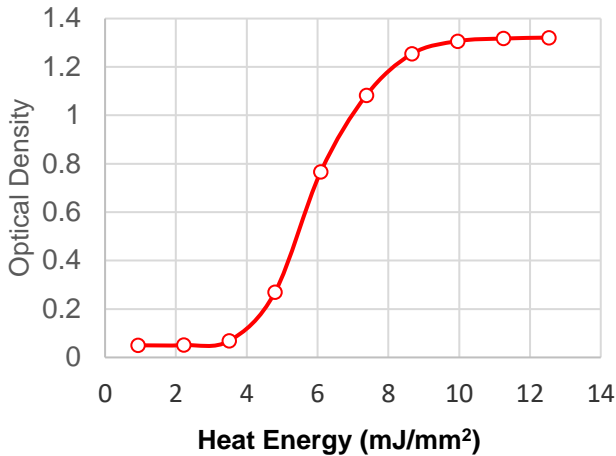
ITEM		UNIT	SPECIFICATION	TEST METHOD
Basis Weight		lbs (24x36x500 sheets)	43.6 ± 4.3	TAPPI T-410
		g/m2	71 ± 7	
Caliper		mil	3.0 ± 0.3	TAPPI T-411
		µm	76 ± 7	
Image Color			Black	Visual Check
Image Density	(ODU)	Minimum	1.25	X-Rite Densitometer
Tear Strength	MD	gf Minimum	30.0	TAPPI T-414
	CD	gf Minimum	35.0	
Tensile Strength	MD	kgf/15 mm Minimum	5.4	TAPPI T-494
	CD	kgf/15 mm Minimum	2.7	
Stiffness	MD	g-cm Minimum	3.0	TAPPI T-489
	CD	g-cm Minimum	2.5	
Initial Activation Temperature	(O.D. = 0.2)	°F / °C	212 / 100	
Effective Activation Temperature	(O.D. = 0.8)	°F / °C	239 / 115	

## PRESERVATION PROPERTIES

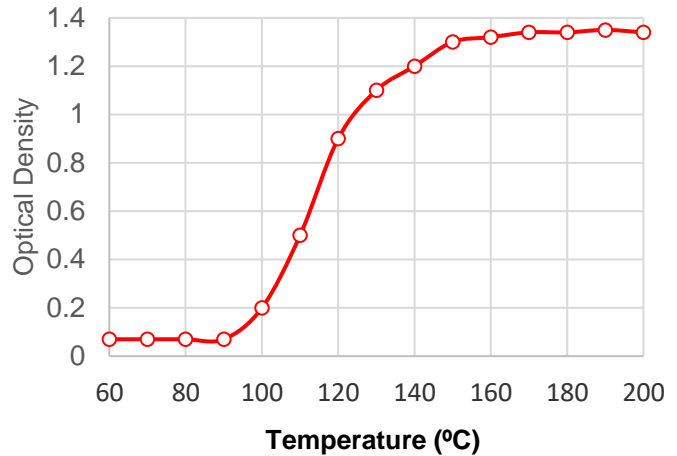
ITEM	SPECIFICATION	TEST METHOD
Oil Resistance	Image	1.10 Minimum
	Background	0.15 Maximum
Moisture Resistance	Image	40° C, 90% RH, 24 Hours
	Background	1.10 Minimum 0.12 Maximum
Heat Resistance	Image	80° C, Dry, 1 Hour
	Background	1.10 Minimum 0.30 Maximum
Light Resistance	Image	5,000 lx, 100 Hours
	Background	1.10 Minimum 0.15 Maximum

## SENSITIVITY RESULTS

### Dynamic Sensitivity



### Static Sensitivity



Sensitivity curves are for reference only.

Storage Conditions: Below 95°F (35° C) and less than 85% R.H. in a warehouse, avoiding direct sunlight.

Tests performed on Markpoint MP104.

## N140PF – LAMINATED PRODUCT

GRADE	UNIT	G12 AT
Application	°F	-40 to 122
Temperature	°C	-40 to 50
Service	°F	-65 to 131
Temperature	°C	-54 to 55
Basis Weight	lbs	90 ±10
(24 x 36 x 500)	g/m <sup>2</sup>	147 ±17
Caliper	µm	141 ±17
	mil	5.6 ± 0.7

#### Adhesive Attributes:

G12 – Wide Temperature and Permanent (AT)

Caliper: 2.1 mils ± 10% (55 ± 7 µm)

Opacity: 65% Maximum (Photovolt)

## CERTIFICATES / REGULATIONS / DIRECTIVES

Phenol Free

ISO9001

ISO14001

Indirect Food Contact

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