



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

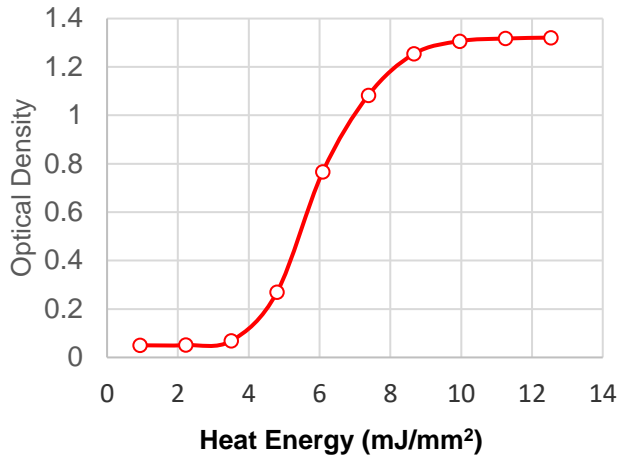
ITEM		UNIT	SPECIFICATION	TEST METHOD
Basis Weight		lbs (24x36x500 sheets)	43.6 ± 4.3	TAPPI T-410
		g/m2	71 ± 7	
Caliper		mil	3.0 ± 0.3	TAPPI T-411
		µm	76 ± 7	
Image Color			Black	Visual Check
Image Density	(ODU)	Minimum	1.25	X-Rite Densitometer
Tear Strength	MD	gf Minimum	30.0	TAPPI T-414
	CD	gf Minimum	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

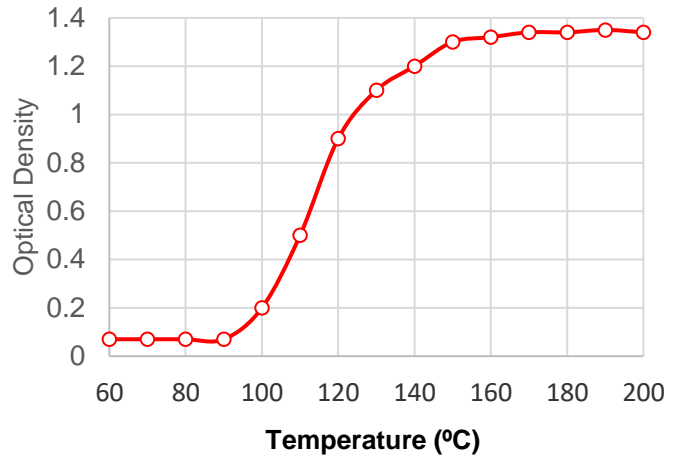
ITEM	SPECIFICATION	TEST METHOD
Oil Resistance	Image	1.10 Minimum
	Background	0.15 Maximum
Moisture Resistance	Image	1.10 Minimum
	Background	0.12 Maximum
Heat Resistance	Image	1.10 Minimum
	Background	0.30 Maximum
Light Resistance	Image	1.10 Minimum
	Background	0.15 Maximum

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	G12 / G25
Application	°F	-40 to 122	-40 to 122
Temperature	°C	-40 to 50	-40 to 50
Service	°F	-65 to 131	-65 to 131
Temperature	°C	-54 to 55	-54 to 55
Basis Weight	lbs	90 ±10	98 ±12
(24 x 36 x 500)	g/m ²	147 ±17	160±19
Caliper	µm	141 ±17	152 ±18
	mil	5.6 ±0.7	6.0 ±0.7

Caliper: 2.1 mils ± 10% (55 ± 7 µm)
Opacity: 65% Maximum (Photovolt)

Caliper: 2.5 mils ± 10% (64 ± 8 µm)
Opacity: 65% Maximum (Photovolt)

Adhesive Attributes:
G12 – Wide Temperature and Permanent (AT)

CERTIFICATES / REGULATIONS / DIRECTIVES

Phenol Free

ISO9001

ISO14001

Indirect Food Contact

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