



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

N140LA's direct thermal top coated label stock is durable, has high sensitivity, strong resistance to plasticizers, and prints at high speeds.

KEY FEATURES

Standard top-coated thermal paper; 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)	47.9 ± 4.9	TAPPI T-410
		g/m2	78 ± 8	
Caliper		mil	3.2 ± 0.3	TAPPI T-411
		µm	81 ± 8	
Image Color			Black	Visual Check
Image Density	(ODU)	Minimum	1.25	X-Rite Densitometer
Tear Strength	MD	gf Minimum	30	TAPPI T-414
	CD	gf Minimum	35	
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	194 / 90	
Effective Activation Temperature	(O.D. = 0.8)	°F / °C	221 / 105	

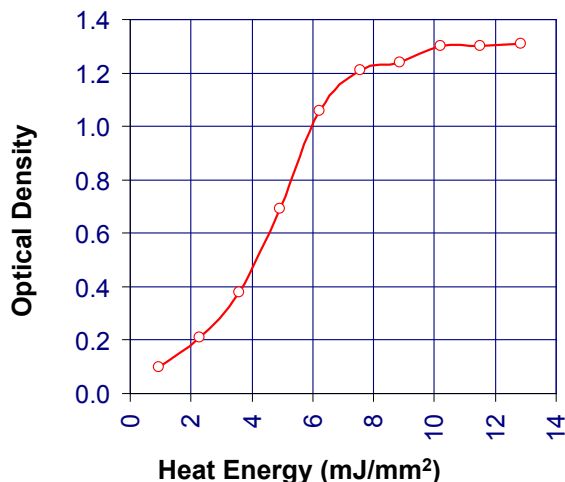
PRESERVATION PROPERTIES

ITEM		SPECIFICATION	TEST METHOD
Oil Resistance	Image	1.10 Minimum	40° C, Dry, 15 Hours
	Background	0.30 Maximum	X-Rite (ODU)
Moisture Resistance	Image	1.10 Minimum	40° C, 90% RH, 24 Hours
	Background	0.30 Maximum	X-Rite (ODU)
Heat Resistance	Image	1.10 Minimum	80° C, Dry, 1 Hour
	Background	0.30 Maximum	X-Rite (ODU)
Light Resistance	Image	1.10 Minimum	5000 lx, 100 Hours
	Background	0.30 Maximum	X-Rite (ODU)

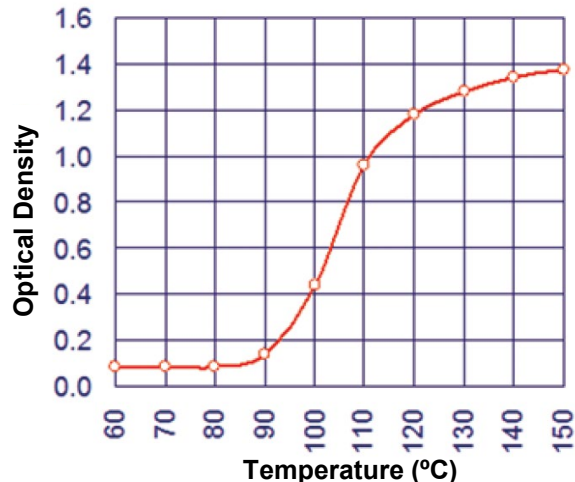


SENSITIVITY RESULTS

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.

N140LA – LAMINATED PRODUCT

GRADE	UNIT	G25	G8	G22
Application	°F	-40 to 122	10 to 120	28 to 120
Temperature	°C	-40 to 50	-12 to 49	-2 to 50
Service	°F	-65 to 131	-20 to 120	-40 to 122
Temperature	°C	-54 to 55	-29 to 49	-40 to 50
Basis Weight	lbs	98 ± 12	95 ± 12	101 ± 12
(24 x 36 x 500)	g/m ²	160 ± 19	154 ± 19	164 ± 19
Caliper	µm	152 ± 18	152 ± 18	157 ± 18
	mil	6.0 ± 0.7	6.0 ± 0.7	6.2 ± 0.7

Liner: 40 lbs

Caliper: 2.5 mils ± 10% (64 ± 8 µm)

Opacity: 65% Maximum (Photovolt)

Adhesive Attributes:

G25 – Wide Temperature and Permanent

G8 – Tight Removable

G22 – Hot Melt for High Moisture Environments

CERTIFICATES / REGULATIONS / DIRECTIVES

BPA Free

RoHS

ISO9001

Indirect Food Contact

REACH

WEEE

ISO14001

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