



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	

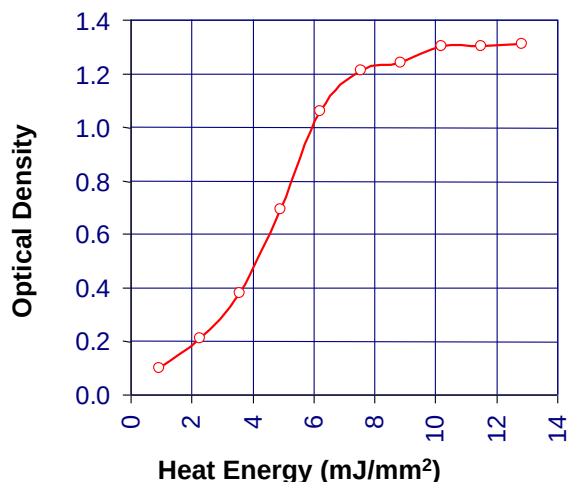
PRESERVATION PROPERTIES

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)

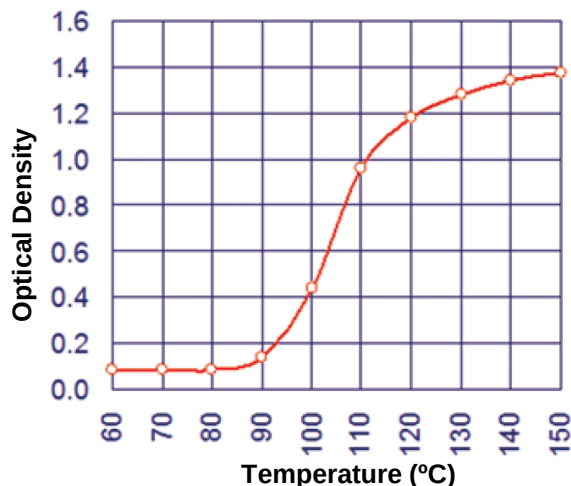


SENSITIVITY RESULTS

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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CONTACT INFORMATION

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ISO14001 / ISO9001 Certified

Customer Service Department

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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

N150LA-2's direct thermal top coated label stock is ideal for high speed printing with superior barcode reliability. It has high sensitivity and offers excellent image resolution and superb head matching performance.

KEY FEATURES

Premium top-coated thermal paper; Higher image resolution & barcode reliability; High sensitivity; Highest heat resistance.

— APPLICATION AREAS —



Weigh Scale Labels



Meat Processing



Laboratory Labels



Product ID

FACESTOCK / PRESERVATION PROPERTIES

FACESTOCK PROPERTIES

ITEM		UNIT	SPECIFICATION	TEST METHOD
Basis Weight		lbs (24x36x500 sheets)	44.2 ± 4.9	TAPPI T-410
		g/m2	72 ± 8	
Caliper		mil	3.0 ± 0.3	TAPPI T-411
		µm	77 ± 9	
Image Color			Black	Visual Check
Image Density	(ODU)	Minimum	1.30	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	248 / 120	
Effective Activation Temperature	(O.D. = 0.8)	°F / °C	266 / 130	

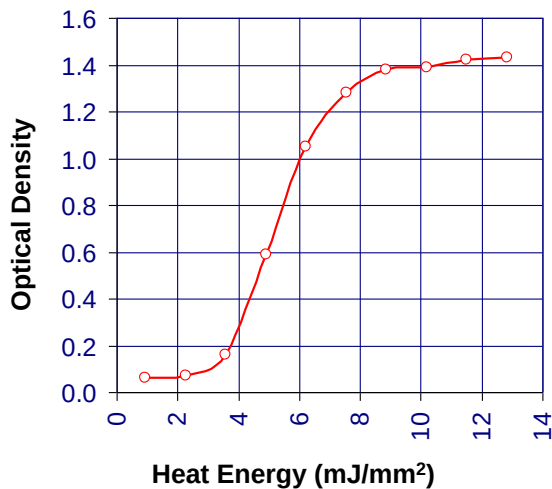
PRESERVATION PROPERTIES

ITEM		SPECIFICATION	TEST METHOD
Oil Resistance	Image	1.20 Minimum	40° C, Dry, 15 Hours
	Background	0.15 Maximum	X-Rite (ODU)
Moisture Resistance	Image	1.20 Minimum	40° C, 90% RH, 24 Hours
	Background	0.15 Maximum	X-Rite (ODU)
Heat Resistance	Image	1.20 Minimum	100° C, Dry, 1 Hour
	Background	0.20 Maximum	X-Rite (ODU)
Light Resistance	Image	1.20 Minimum	5000 lx, 100 Hours
	Background	0.15 Maximum	X-Rite (ODU)

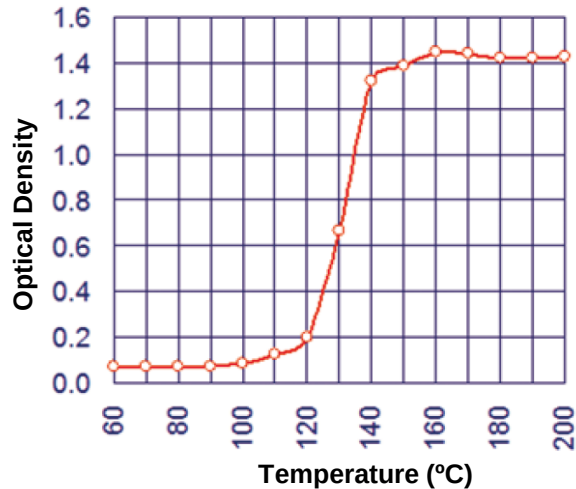


SENSITIVITY RESULTS

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.

N150LA-2 – LAMINATED PRODUCT

GRADE	UNIT	G25
Application	°F	-40 to 122
Temperature	°C	-40 to 50
Service	°F	-65 to 131
Temperature	°C	-54 to 55
Basis Weight	lbs	95 ± 12
(24 x 36 x 500)	g/m ²	154 ± 19
Caliper	µm	148 ± 19
	mil	5.8 ± 0.7

Liner: 40 lbs

Caliper: 2.5 mils ± 10% (64 ± 8 µm)

Opacity: 65% Maximum (Photovolt)

Adhesive Attributes:

G25 – Wide Temperature and Permanent

CERTIFICATES / REGULATIONS / DIRECTIVES

BPA Free

RoHS

ISO9001

Indirect Food Contact

REACH

WEEE

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