



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

130NIR-3 is a medium sensitivity top coated thermal label stock, heat resistant, and able to scan up to 670nm.

KEY FEATURES

Near infrared readability; able to scan up to 670nm
 Moderate image preservation properties; Medium sensitivity and good image resolution.

— APPLICATION AREAS —



Shipping Labels



Distribution Labels

FACESTOCK / PRESERVATION PROPERTIES

FACESTOCK PROPERTIES

ITEM		UNIT	SPECIFICATION	TEST METHOD
Basis Weight		lbs (24x36x500 sheets)	43.0 ± 4.9	TAPPI T-410
		g/m ²	70 ± 8	
Caliper		mil	3.0 ± 0.3	TAPPI T-411
		µm	76 ± 8	
Image Color			Black	Visual Check
Image Density	(ODU)	Minimum	1.00	X-Rite Densitometer
Tear Strength	MD	gf Minimum	25	TAPPI T-414
	CD	gf Minimum	30	
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	2.0	
Initial Activation Temperature	(O.D. = 0.2)	°F / °C	212 / 100	
Effective Activation Temperature	(O.D. = 0.8)	°F / °C	257 / 125	

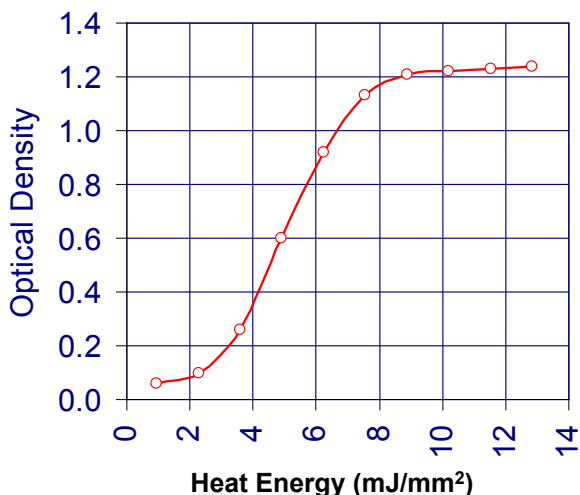
PRESERVATION PROPERTIES

ITEM	SPECIFICATION	TEST METHOD
Oil Resistance	Image	0.80 Minimum
	Background	0.20 Maximum
Moisture Resistance	Image	40° C, Dry, 15 Hours
	Background	X-Rite (ODU)
Heat Resistance	Image	0.50 Minimum
	Background	0.20 Maximum
Heat Resistance	Image	40° C, 90% RH, 24 Hours
	Background	X-Rite (ODU)
Heat Resistance	Image	0.80 Minimum
	Background	0.20 Maximum
Heat Resistance	Image	80° C, Dry, 1 Hour
	Background	X-Rite (ODU)

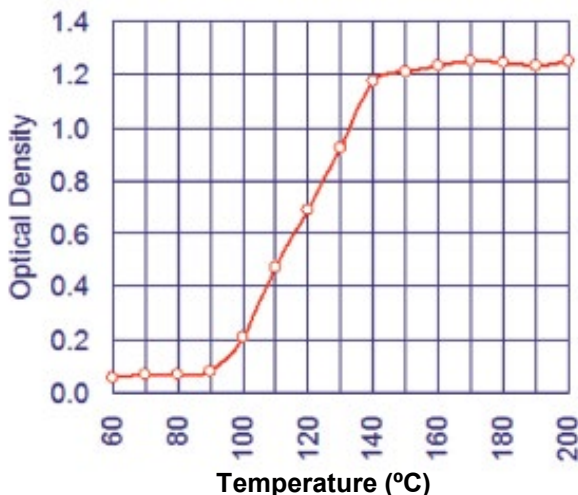


SENSITIVITY RESULTS

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.

130NIR-3 – 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	93 ± 11
(24 x 36 x 500)	g/m ²	152 ± 18
Caliper	µm	149 ± 18
	mil	5.9 ± 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	ISO14001	

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CONTACT INFORMATION

Copyright 2016 Ricoh Electronics, Inc. 1125 Hurricane Shoals Rd. Lawrenceville, GA 30043 All Rights Reserved	Company Info ISO14001 / ISO9001 Certified	Customer Service Department Toll-Free 1-800-843-7058 Toll-Free Fax 1-888-873-7059 Worldwide Fax +1-770-613-6478 Email: orders@rei.ricoh.com
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