

# Ricoh Electronics, Inc.

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## THERMAL LABEL PAPER PRODUCT INFORMATION

# 150LH

FACESTOCK		
ITEM	SPECIFICATION	TEST METHOD
Basis Weight	48.5# ± 4.9 (24 x 36 x 500 Sheets)	TAPPI T-410
	79 ± 8 g/m <sup>2</sup>	
Caliper	3.2 Mils (81 ± 9µm)	TAPPI T-411
Image Color	Black	VISUAL CHECK
Image Density (ODU)	1.40 Minimum	Macbeth Densitometer
Background Density (ODU)	0.12 Maximum	Macbeth Densitometer
Tear Strength	MD 30 gf Minimum	TAPPI T-414
	CD 35 gf Minimum	
Tensile Strength	MD 5.5 kgf/15mm Minimum	TAPPI T-494
	CD 2.5 kgf/15mm Minimum	

PRESERVATION PROPERTIES			
ITEM	SPECIFICATION		TEST METHOD
Plasticizer Resistance (Face)	Image	1.25 Minimum	40° C, Dry, 150 Hours
	Background	0.20 Maximum	
Water Resistance	Image	1.25 Minimum	Water Immersion, 24 Hours
	Background	0.20 Maximum	
Oil Resistance	Image	1.25 Minimum	40° C, Dry, 150 Hours
	Background	0.20 Maximum	
Moisture Resistance	Image	1.25 Minimum	40° C, 90% RH, 150 Hours
	Background	0.20 Maximum	
Heat Resistance	Image	1.25 Minimum	90° C, Dry, 24 Hours
	Background	0.20 Maximum	
Light Resistance	Image	1.25 Minimum	5000 lx, 100 Hours
	Background	0.10 Maximum	

\*Remarks: Image and Background measured by Macbeth (ODU)

Scannable up to 660 nm

Specification may change without notice

## 150LH LAMINATED PRODUCT

GRADE	UNIT	G12	G20
Application Temperature	°F	-40 to 122	-40 to 122
	°C	-40 to 50	-40 to 50
Service Temperature	°F	-65 to 131	-65 to 131
	°C	-54 to 55	-54 to 55
Basis Weight (24 x 36 x 500)	LBS	101 ± 11	101 ± 11
	g/m <sup>2</sup>	166 ± 18	166 ± 18
Caliper	µm	161 ± 19	161 ± 19

\*Custom: Please contact the Sales/Marketing department for application specific adhesives.

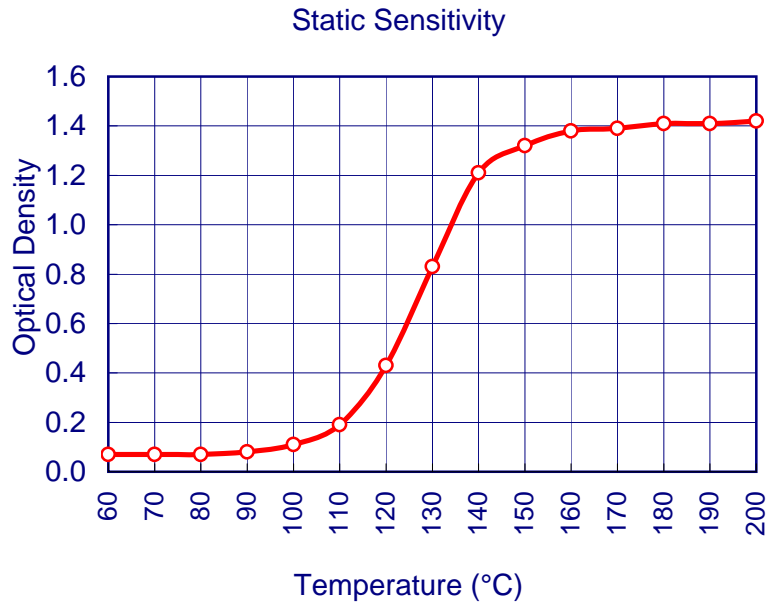
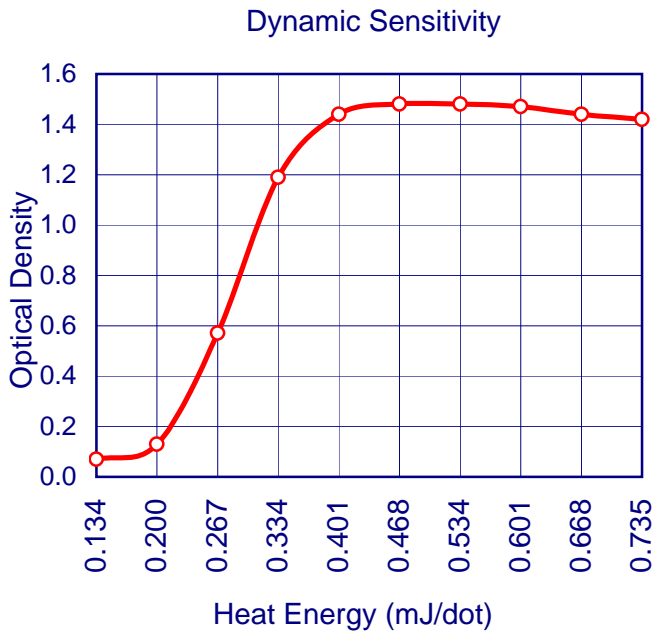
Liner: 42# Super Calendered White Kraft

Caliper: 2.5 Mils ± 10% (64 ± 7µm)

Opacity: 65% Maximum (Photovolt)

## STORAGE CONDITION

Below 95°F (35°C) and less than 85% RH in a warehouse avoiding direct sunlight.



Comments: Sensitivity curves are for general reference only.