

## Ricoh Electronics, Inc.

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# RICOH

## THERMAL LABEL PAPER PRODUCT INFORMATION

# 150LA-1

### FACESTOCK

ITEM	SPECIFICATION	TEST METHOD
Basis Weight	46 # ± 4.3 (24 x 36 x 500 Sheets)	TAPPI T-410
	75 ± 7 g/m <sup>2</sup>	
Caliper	3.2 Mils (82 ± 9µm)	TAPPI T-411
Image Color	Black	VISUAL CHECK
Image Density (ODU)	1.30 Minimum	Macbeth Densitometer
Background Density (ODU)	0.12 Maximum	Macbeth Densitometer
Tear Strength	MD 0.29 N Minimum	TAPPI T-414
	CD 0.34 N Minimum	
Tensile Strength	MD 54.0 N Minimum	TAPPI T-494
	CD 25.0 N Minimum	

### PRESERVATION PROPERTIES

ITEM	SPECIFICATION	TEST METHOD
Plasticizer Resistance (Face)	Image 1.25 Minimum	40° C, Dry, 15 Hours
	Background 0.20 Maximum	
Water Resistance	Image 1.20 Minimum	Water Immersion, 15 Hours
	Background 0.20 Maximum	
Oil Resistance	Image 1.25 Minimum	80° C, Dry, 24 Hours
	Background 0.20 Maximum	
Moisture Resistance	Image 1.25 Minimum	40° C, 90% RH, 24 Hours
	Background 0.20 Maximum	
Heat Resistance	Image 1.25 Minimum	90° C, Dry, 1 Hour
	Background 0.20 Maximum	
Alcohol Resistance	Image 1.20 Minimum	20° C, Submerged, 1 Hour
	Background 0.20 Maximum	
Vinegar Resistance	Image 1.20 Minimum	20° C, Submerged, 1 Hour
	Background 0.20 Maximum	
Salt Resistance	Image 1.20 Minimum	20° C, Submerged, 1 Hour
	Background 0.20 Maximum	
Water Rub Resistance	None	20° C, Submerged, 30 Min.
Light Resistance	Image 1.25 Minimum	5000 lx, 100 Hours
	Background 0.20 Maximum	

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

Specification may change without notice

## 150LA-1 LAMINATED PRODUCT

GRADE	UNIT	G12
Application Temperature	°F	-40 to 122
	°C	-40 to 50
Service Temperature	°F	-65 to 131
	°C	-54 to 55
Basis Weight (24 x 36 x 500)	LBS	98.8 ± 10.4
	g/m <sup>2</sup>	161 ± 17
Caliper	µm	158 ± 19

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

Liner: 42# Super Calendered White Kraft

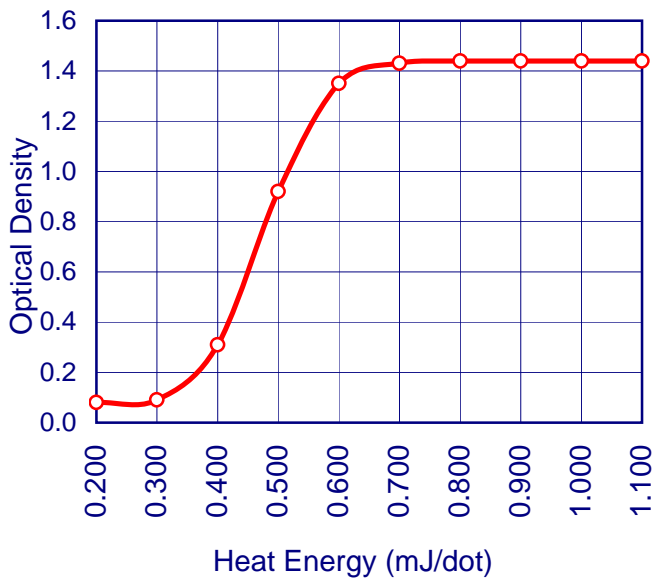
Caliper: 2.5 Mills ± 10% (64 ± 7µm)

Opacity: 65% Maximum (Photovolt)

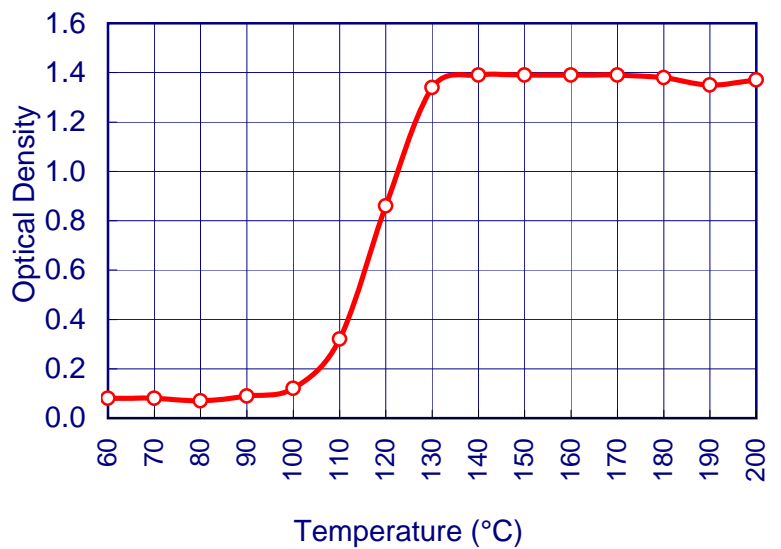
## STORAGE CONDITION

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

Dynamic Sensitivity



Static Sensitivity



Comments: Sensitivity curves are for general reference only.