

# Ricoh Electronics, Inc.

2320 Red Hill Ave., Santa Ana, CA 92705  
1125 Hurricane Shoals Rd., Lawrenceville, GA 30043  
Customer Service 1 (800) 843-7058  
Toll-Free Fax 1 (888) 843-7059  
e-mail: orders@rei.ricoh.com  
http://www.rei.ricoh.com



## THERMAL LABEL PAPER PRODUCT INFORMATION

# N 140LA

### FACESTOCK

ITEM	SPECIFICATION	TEST METHOD
Basis Weight	47.9# ± 4.9 (24 x 36 x 500 Sheets)	TAPPI T-410
	78 ± 8 g/m <sup>2</sup>	
Caliper	3.4 Mils (86 ± 8µm)	TAPPI T-411
Image Color	Black	VISUAL CHECK
Image Density (ODU)	1.25 Minimum	Macbeth Densitometer
Background Density (ODU)	0.11 Maximum	Macbeth Densitometer
Tear Strength	MD 30 gf Minimum	TAPPI T-414
	CD 35 gf Minimum	
Tensile Strength	MD 5.0 kgf/15mm Minimum	TAPPI T-494
	CD 2.5 kgf/15mm Minimum	

### PRESERVATION PROPERTIES

ITEM	SPECIFICATION	TEST METHOD
Plasticizer Resistance (Face)	Image 1.10 Minimum	40° C, Dry, 15 Hours
	Background 0.30 Maximum	
Water Resistance	Image 0.80 Minimum	Water Immersion, 15 Hours
	Background 0.30 Maximum	
Oil Resistance	Image 1.10 Minimum	40° C, Dry, 15 Hours
	Background 0.30 Maximum	
Moisture Resistance	Image 1.10 Minimum	40° C, 90% RH, 24 Hours
	Background 0.30 Maximum	
Heat Resistance	Image 1.10 Minimum	80° C, Dry, 1 Hour
	Background 0.30 Maximum	
Light Resistance	Image 1.10 Minimum	5,000 lx, 100 Hours
	Background 0.30 Maximum	

\*Remarks: Image and Background measured by Macbeth (ODU)  
Specification may change without notice

## N 140LA LAMINATED PRODUCT

GRADE	UNIT	G12	G22	G24
Application Temperature	°F	-40 to 122	28 to 122	-40 to 122
	°C	-40 to 50	-2 to 50	-40 to 50
Service Temperature	°F	-65 to 131	-40 to 122	-65 to 131
	°C	-54 to 55	-40 to 50	-54 to 55
Basis Weight (24 x 36 x 500)	lbs	97 ± 11	99 ± 11	97 ± 11
	g/m <sup>2</sup>	158 ± 18	162 ± 18	158 ± 18
Caliper	µm	157 ± 18	160 ± 18	157 ± 18

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

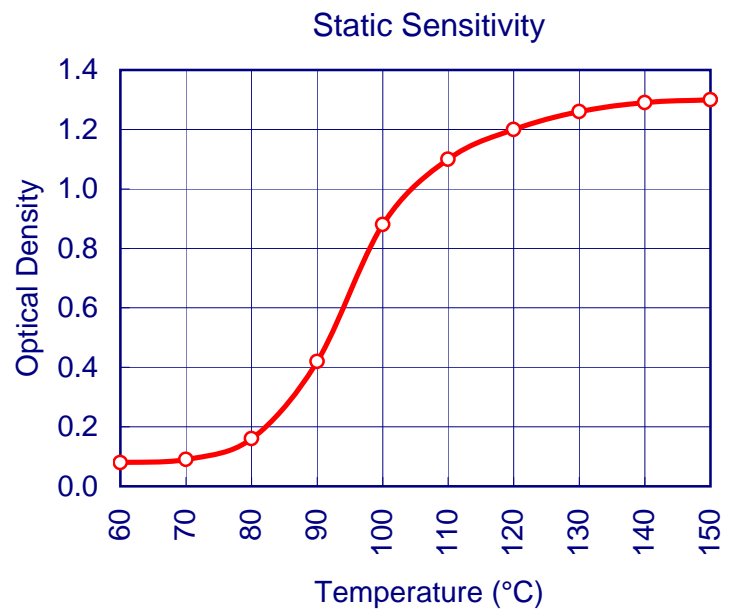
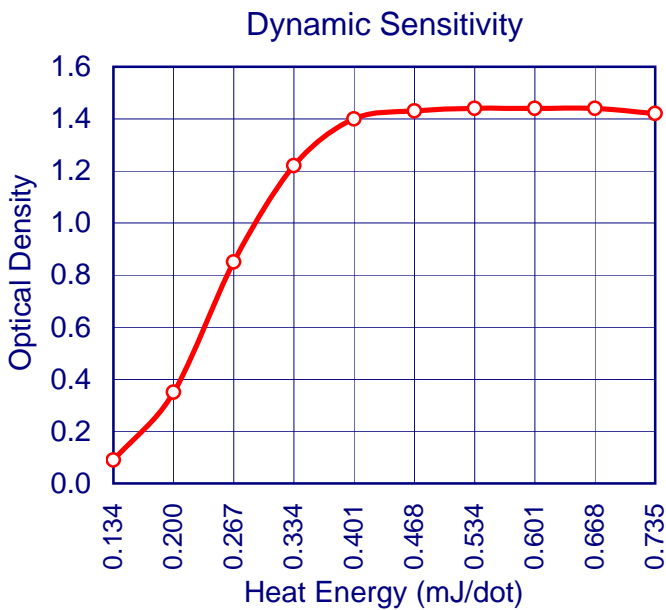
Liner: 42# Super Calendered White Kraft

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.