



# 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

Ricoh's 150LB PF is a medium sensitivity direct thermal label stock designed for tight mandrel applications such as test tubes and vials.

## Key Features

Completely Phenol Free, Glove Friendly, Repositionable, Excellent Image Resolution



# — APPLICATION AREAS —



Laboratory Labels



Product ID

# FACESTOCK / PRESERVATION PROPERTIES

## FACESTOCK PROPERTIES

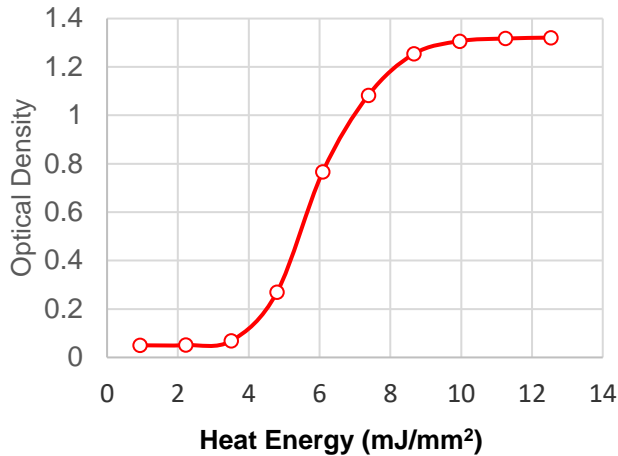
ITEM		UNIT	SPECIFICATION	TEST METHOD
Basis Weight		lbs (24x36x500 sheets)	44.9 ± 4.5	TAPPI T-410
		g/m2	73 ± 7	
Caliper		mil	3.1 ± 0.3	TAPPI T-411
		µm	78.5 ± 8	
Image Color			Black	Visual Check
Image Density	(ODU)	Minimum	1.25	X-Rite Densitometer
Tear Strength	MD	gf Minimum	30.0	TAPPI T-414
	CD	gf Minimum	35.0	
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	212 / 100	
Effective Activation Temperature	(O.D. = 0.8)	°F / °C	239 / 115	

## PRESERVATION PROPERTIES

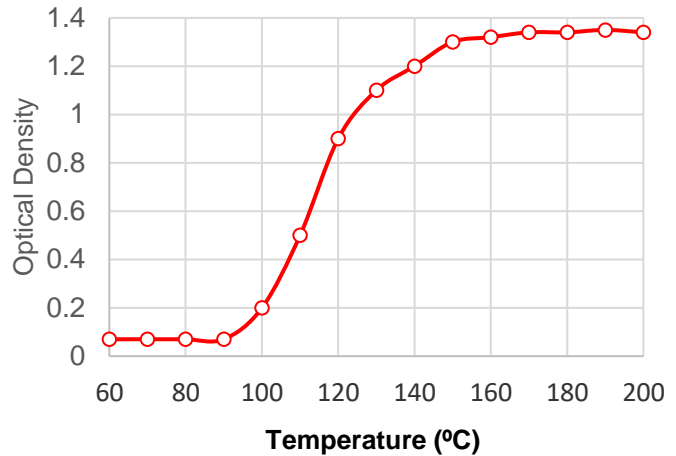
ITEM	SPECIFICATION		TEST METHOD
Oil Resistance	Image	1.10 Minimum	40° C, Dry, 15 Hours X-Rite (ODU)
	Background	0.15 Maximum	
Moisture Resistance	Image	1.10 Minimum	40° C, 90% RH, 24 Hours X-Rite (ODU)
	Background	0.12 Maximum	
Heat Resistance	Image	1.10 Minimum	80° C, Dry, 1 Hour X-Rite (ODU)
	Background	0.30 Maximum	
Light Resistance	Image	1.10 Minimum	5,000 lx, 100 Hours X-Rite (ODU)
	Background	0.15 Maximum	

## 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.

## 150LB PF – LAMINATED PRODUCT

GRADE	UNIT	TM
Application	°F	32 to 122
Temperature	°C	0 to 50
Service	°F	-20 to 120
Temperature	°C	-29 to 49
Basis Weight	lbs	93 ± 12
(24 x 36 x 500)	g/m <sup>2</sup>	151 ± 19
Caliper	µm	150 ± 18
	mil	5.9 ± 0.7

Liner: 40 lbs

Caliper: 2.5 mils ± 10% (64 ± 8 µm)

Opacity: 65% Maximum (Photovolt)

#### Adhesive Attributes:

TM – Tight Mandrel

## CERTIFICATES / REGULATIONS / DIRECTIVES

Phenol Free

ISO9001

ISO14001

Indirect Food Contact

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## CONTACT INFORMATION

**Copyright 2024 Ricoh Electronics, Inc.**

1125 Hurricane Shoals Rd.

Lawrenceville, GA 30043

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**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](mailto:orders@rei.ricoh.com)