

# 150PRX DIRECT THERMAL

Specifications may change without notice.  
Last Update: Nov 2025 PS-1184 (Rev.12)



## PRODUCT FEATURES

150PRx is a medium-high sensitivity direct thermal label stock engineered for prescription and laboratory labeling. It offers strong resistance to medical solutions, ensuring image durability in demanding healthcare environments.

## APPLICATION AREAS

- Prescription Labels
- Laboratory Labels
- Product ID

## FACESTOCK PROPERTIES

### Basis Weight

lbs (24 x 36 x 500 sheets)	44.9 ± 4.3
g/sq m	73 ± 7

### Caliper

mil	3.1 ± 0.3
µm	78.5 ± 7

### Image Density (ODU Minimum)

1.25

### Tear Strength (gf Minimum)

MD	30.0
CD	35.0

### Tensile Strength (kgf/15 mm Minimum)

MD	5.4
CD	2.7

### Stiffness (g-cm Minimum)

MD	3.0
CD	2.5

### Initial Activation Temperature

#### (°F / °C)

O.D. = 0.2	212°F / 100°C
------------	---------------

### Effective Activation Temperature

#### (°F / °C)

O.D. = 0.8	239°F / 115°C
------------	---------------

## CERTIFICATIONS

- Indirect Food Contact
- ISO9001
- ISO14001

## REGULATORY



BPA Free



No Added PFAS

## PRESERVATION PROPERTIES

### Oil Resistance

Image	1.10 Minimum
Background	0.15 Maximum
Test Method	40°C, Dry, 15 Hrs, X-Rite (ODU)

### Moisture Resistance

Image	1.10 Minimum
Background	0.15 Maximum
Test Method	40°C, 90% RH, 24 Hrs, X-Rite (ODU)

### Heat Resistance

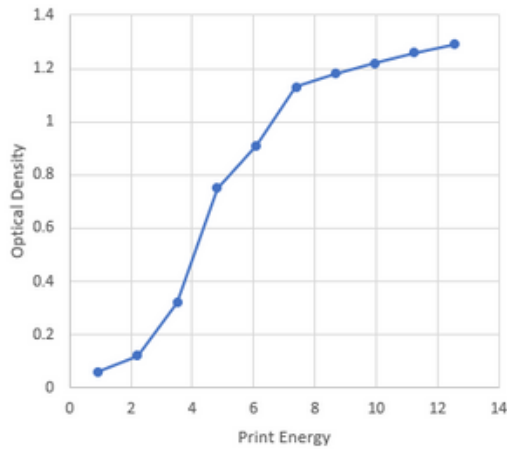
Image	1.10 Minimum
Background	0.30 Maximum
Test Method	80°C, Dry, 1 Hr, X-Rite (ODU)

### Light Resistance

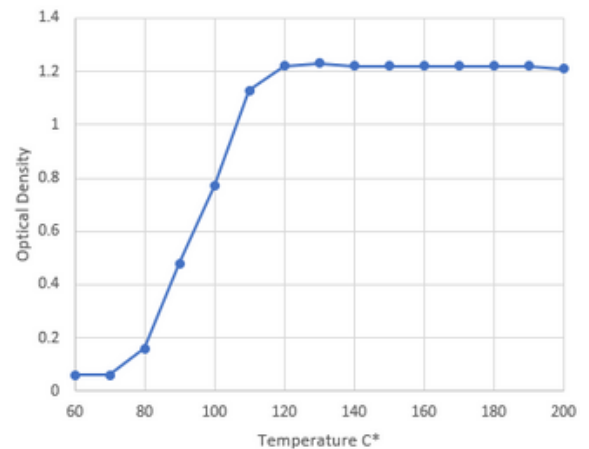
Image	1.10 Minimum
Background	0.15 Maximum
Test Method	5000 lx, 100 Hrs, X-Rite (ODU)

# 150PRX DIRECT THERMAL SENSITIVITY RESULTS

## DYNAMIC SENSITIVITY



## STATIC SENSITIVITY



Sensitivity curves for reference only. Storage Conditions: Below 95°F (35°C) and less than 85% R.H. in a warehouse, avoiding direct sunlight. Dynamic sensitivity tests performed on Markpoint MP104.

## LINER AND ADHESIVE PROPERTIES

**Liner:** 40 lbs (24 x 36 x 500)

**Caliper:** 2.4 mils ± 10% (61 ± 6µm)

**Opacity:** 65% Maximum (Photovolt)

**G25:** Wide Temperature and Permanent

**G12L:** Wide Temperature and Permanent; Repositionable

**G8:** Tight Removable

## LAMINATED PRODUCT PROPERTIES

Application Temperature	G25	G12L	G8
°F	-40 to 122	-40 to 122	10 to 120
°C	-40 to 50	-40 to 50	-12 to 49
Service Temperature			
°F	-65 to 131	-65 to 131	-20 to 120
°C	-54 to 55	-54 to 55	-29 to 49
Basis Weight (24 x 36 x 500)			
lbs	97 ± 12	95 ± 11	95 ± 12
g/sq m	158 ± 19	154 ± 18	154 ± 19
Caliper			
mil	6.0 ± 0.7	5.9 ± 0.7	6.0 ± 0.7
µm	152 ± 18	150 ± 18	152 ± 18

## CONTACT US

1125 Hurricane Shoals Road,  
Lawrenceville, GA 30043  
www.REI.Ricoh.com  
Email: Orders@rei.ricoh.com  
Customer Service:  
(800) 843-7059  
Toll-Free Fax: (888) 873-7059