

150PRx PFRM DIRECT THERMAL

Specifications may change without notice.
Last Update: May 2026 PS-2569 (Rev.1)



PRODUCT FEATURES

150PRx PFRM 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. The removable adhesive provides secure adhesion during use while allowing clean removal with minimal residue.

APPLICATION AREAS

- Laboratory Labels
- Product ID

FACESTOCK PROPERTIES

Basis Weight

lbs (24 x 36 x 500 sheets)	43.6 ± 4.3
g/sq m	71 ± 7

Caliper

mil	3.0 ± 0.3
µm	76 ± 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
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Effective Activation Temperature

(°F / °C)

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

- Indirect Food Contact
- ISO9001
- ISO14001

REGULATORY



Phenol Free



BPS Free



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	0.12 Maximum
Test Method	40°C, 90% RH, 24 Hrs, X-Rite (ODU)

Heat Resistance

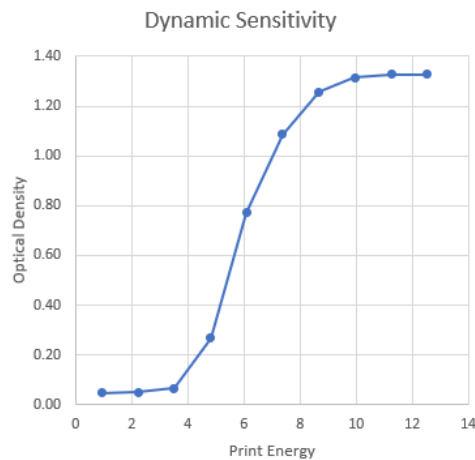
Image	1.10 Minimum
Background	0.30 Maximum
Test Method	90°C, Dry, 1 Hr, X-Rite (ODU)

Light Resistance

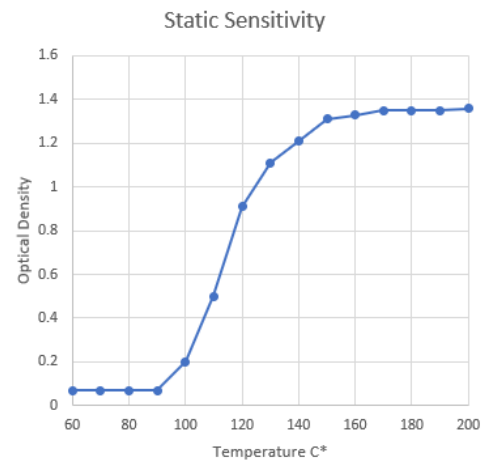
Image	1.10 Minimum
Background	0.15 Maximum
Test Method	5000 lx, 100 Hrs, X-Rite (ODU)

150PRX PFRM 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)

RM Adhesive: Clean Removable

Caliper: 2.4 mils ± 10% (61 ± 6µm)

Opacity: 65% Maximum (Photovolt)

LAMINATED PRODUCT PROPERTIES

Application Temperature

°F

RM

40 Min

°C

4 Min

Service Temperature

°F

-22 to 300

°C

-30 to 149

Basis Weight (24 x 36 x 500)

lbs

98 ± 12

g/sq m

160 ± 19

Caliper

mil

6.0 ± 0.7

µm

152 ± 18

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