

N140 PF RM DIRECT THERMAL

Specifications may change without notice.
Last Update: Aug 2026 PS-2570 (Rev. 2)

PRODUCT FEATURES

N140PF RM is a high-sensitivity, top-coated direct thermal label stock engineered for retail tote labeling. It delivers excellent image stability and reliable performance in fast-paced distribution and in-store environments. The removable adhesive provides secure adhesion during use while allowing clean removal with minimal residue.

APPLICATION AREAS

- Weigh Scale Labels
- Shipping Labels
- Meat Processing
- Distribution and Inventory
- 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
CD	35

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

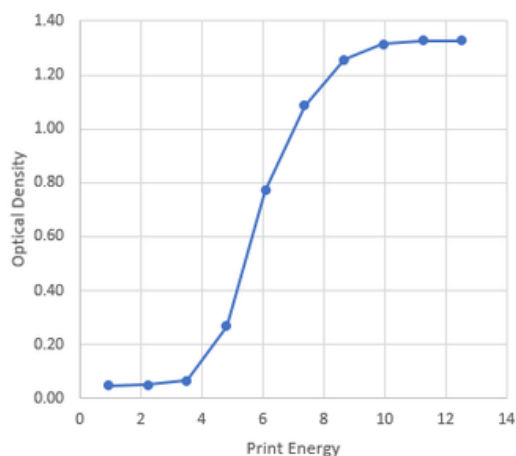
Image	1.10 Minimum
Background	0.30 Maximum
Test Method	80°C, Dry, 1 Hr, X-Rite (ODU)

Light Resistance

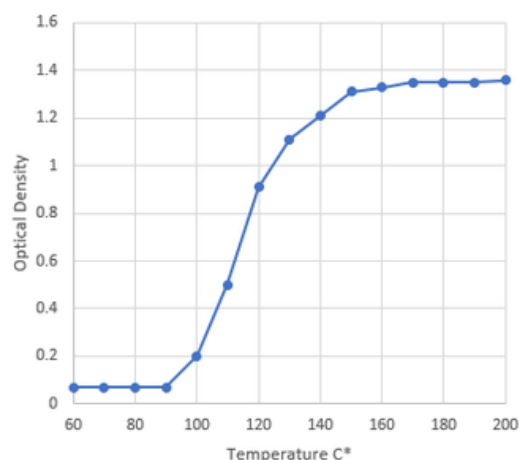
Image	1.10 Minimum
Background	0.15 Maximum
Test Method	5000 lx, 100 Hrs, X-Rite (ODU)

N140 PF RM 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

Caliper: 2.4 mils $\pm$ 10% (61 $\pm$ 6 μ m)

RM Adhesive: Clean Removable

Liner: 40 lbs (24 x 36 x 500)

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

92 $\pm$ 12

g/sq m

150 $\pm$ 20

Caliper

mil

6.0 $\pm$ 0.7

μ m

152 $\pm$ 18

CONTACT US

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