

135WRX-60

DIRECT THERMAL

Specifications may change without notice.
Last Update: June 2025 PS-1454 (Rev.10)

PRODUCT FEATURES

The 135WRx-60 is a medium-sensitivity, top-coated direct thermal film label stock with a tear-resistant polypropylene base. Ideal for laboratory labels, wristbands, shelf tags, and industrial applications, it offers strong resistance to various substances, ensuring reliable performance in demanding environments.

APPLICATION AREAS

- Wristbands
- Shelf Tags
- Laboratory
- Medical
- Industrial

FACESTOCK PROPERTIES

Basis Weight

lbs (24 x 36 x 500 sheets)	29.5 ± 3.7
g/sq m	48 ± 6.0

Caliper

mil	2.4 ± 0.3
µm	61 ± 7.0

Image Density (ODU Minimum)

1.25

Tensile Strength (kgf/15 mm Minimum)

MD	3.8
CD	10.0

Stiffness (g-cm Minimum)

MD	0.98
CD	1.76

Initial Activation Temperature (°F / °C)

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

Effective Activation Temperature (°F / °C)

O.D. = 0.8	257°F / 118°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)

Water Resistance

Image	1.10 Minimum
Background	0.12 Maximum
Test Method	Water Immersion, 15 Hrs

Moisture Resistance

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

Heat Resistance

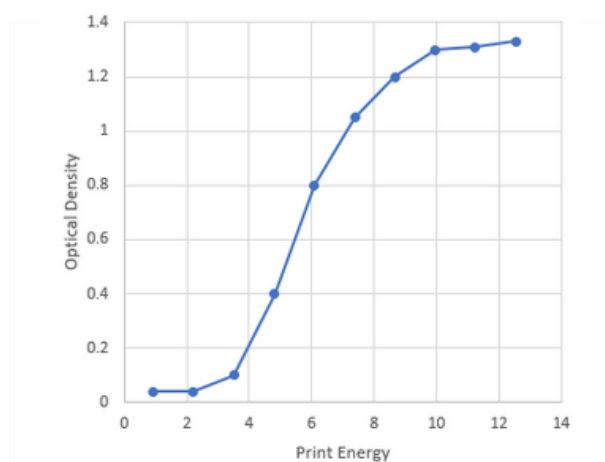
Image	1.10 Minimum
Background	0.30 Maximum
Test Method	80°C, Dry, 1 Hr, X-Rite (ODU)

Light Resistance

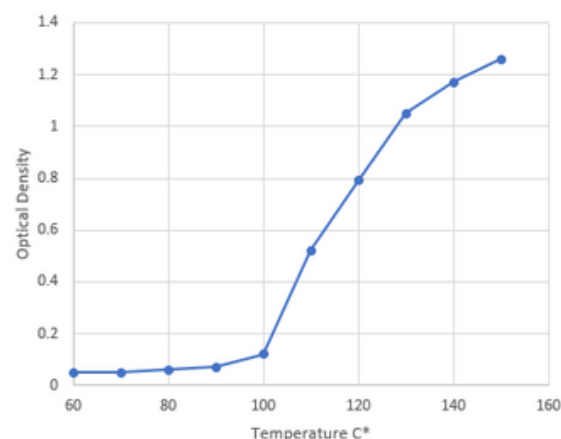
Image	1.10 Minimum
Background	0.15 Maximum
Test Method	5000 lx, 100 Hrs, X-Rite (ODU)

135WRX-60 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 $\pm$ 10% (61 $\pm$ 6 μ m)

Opacity: 65% Maximum (Photovolt)

G12 Adhesive: Wide Temperature and Permanent

LAMINATED PRODUCT PROPERTIES

Application Temperature

°F -40 to 122

°C -40 to 50

Service Temperature

°F -65 to 131

°C -54 to 55

Basis Weight (24 x 36 x 500)

lbs 87 $\pm$ 6

g/sq m 141 $\pm$ 18

Caliper

mil 5.5 $\pm$ 0.8

μ m 139 $\pm$ 21

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