



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

N140LA's direct thermal top coated label stock is durable, has medium sensitivity, strong resistance to plasticizers, and prints at high speeds.

KEY FEATURES

Standard top-coated thermal paper; Medium-high image resolution; Medium sensitivity; Strong image preservation against most environments.

— APPLICATION AREAS —



Weigh Scale Labels



Shipping Labels



Meat Processing



Distribution/Inventory



Product ID

FACESTOCK / PRESERVATION PROPERTIES

FACESTOCK PROPERTIES

ENGLISH

| ITEM | UNIT | SPECIFICATION | TEST METHOD |
|------------------|------------------------|---------------|---------------------|
| Basis Weight | lbs (24x36x500 sheets) | 43.6 ± 4.3 | TAPPI T-410 |
| | g/m ² | 71 ± 7 | |
| Caliper | mil | 3.0 ± 0.3 | TAPPI T-411 |
| | µm | 76 ± 7 | |
| Image Color | | Black | Visual Check |
| Image Density | (ODU) Minimum | 1.25 | X-Rite Densitometer |
| Tear Strength | MD gf Minimum | 30 | TAPPI T-414 |
| | CD gf Minimum | 35 | |
| Tensile Strength | MD kgf/15 mm Minimum | 5 | TAPPI T-494 |
| | CD kgf/15 mm Minimum | 2.5 | |
| Stiffness | MD g-cm Minimum | 3.0 | TAPPI T-489 |
| | CD g-cm Minimum | 2.5 | |

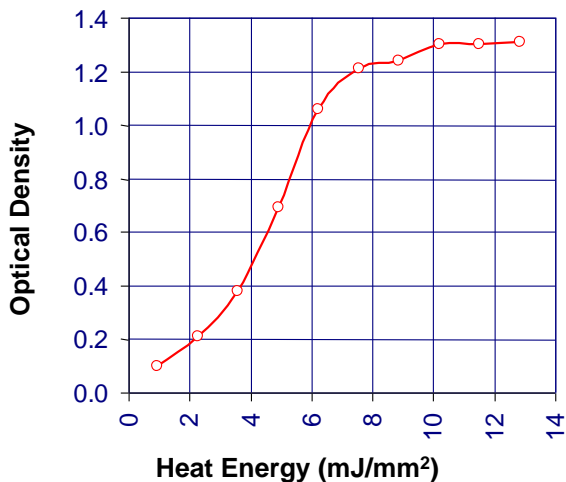
PRESERVATION PROPERTIES

| ITEM | SPECIFICATION | TEST METHOD |
|---------------------|---------------|----------------------|
| Oil Resistance | Image | 1.10 Minimum |
| | Background | 0.30 Maximum |
| Moisture Resistance | Image | 40° C, Dry, 15 Hours |
| | Background | X-Rite (ODU) |
| Heat Resistance | Image | 1.10 Minimum |
| | Background | 0.30 Maximum |
| Light Resistance | Image | 80° C, Dry, 1 Hour |
| | Background | X-Rite (ODU) |
| Light Resistance | Image | 5000 lx, 100 Hours |
| | Background | X-Rite (ODU) |

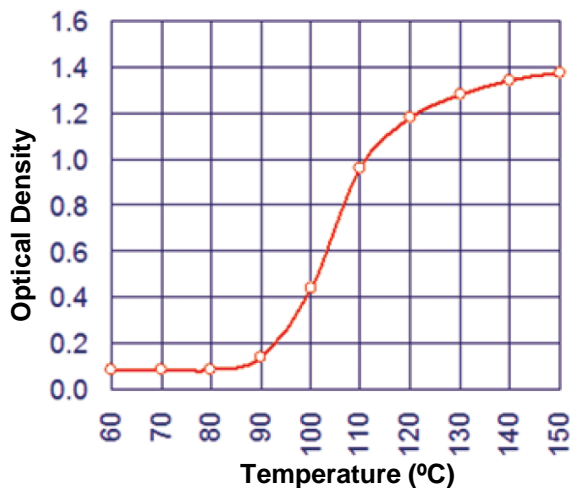


SENSITIVITY RESULTS

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.

N140LA – LAMINATED PRODUCT

| GRADE | UNIT | G25 | G8 | G22 |
|-----------------|------------------|------------|------------|------------|
| Application | °F | -40 to 122 | 10 to 120 | 28 to 120 |
| Temperature | °C | -40 to 50 | -12 to 49 | -2 to 50 |
| Service | °F | -65 to 131 | -20 to 120 | -40 to 122 |
| Temperature | °C | -54 to 55 | -29 to 49 | -40 to 50 |
| Basis Weight | lbs | 98 ± 12 | 95 ± 12 | 101 ± 12 |
| (24 x 36 x 500) | g/m ² | 160 ± 19 | 154 ± 19 | 164 ± 19 |
| Caliper | µm | 152 ± 18 | 152 ± 18 | 157 ± 18 |
| | mil | 6.0 ± 0.7 | 6.0 ± 0.7 | 6.2 ± 0.7 |

Liner: 40 lbs
 Caliper: 2.5 mils ± 10% (64 ± 8 µm)
 Opacity: 65% Maximum (Photovolt)

Adhesive Attributes:
 G25 – Wide Temperature and Permanent
 G8 – Tight Removable
 G22 – Hot Melt for High Moisture Environments

CERTIFICATES / REGULATIONS / DIRECTIVES

BPA Free ISO9001 ISO14001 Indirect Food Contact

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