

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

Ricoh's 135PLS-LST Linerless direct thermal top coated label stock is ideal for high-speed printing providing superior barcode reliability. A silicone linerless product generates less waste and provide more labels per roll.

KEY FEATURES

Silicone Linerless label that provides an environmentally friendly solution; High image resolution & barcode reliability; Strong heat resistance & sensitivity

— APPLICATION AREAS —



Weigh Scale Labels



Postal & Shipping Labels

PROPERTIES

COATED PRODUCT PROPERTIES

| ITEM | UNIT | SPECIFICATION | TEST METHOD |
|---------------|------------------|---------------|---------------------|
| Basis Weight | g/m ² | 90 ± 7 | TAPPI T-410 |
| Caliper | mil | 3.5 ± 0.4 | TAPPI T-411 |
| | µm | 90 ± 10 | |
| Image Color | | Black | Visual Check |
| Image Density | (ODU) | Minimum 1.10 | X-Rite Densitometer |

PRESERVATION PROPERTIES

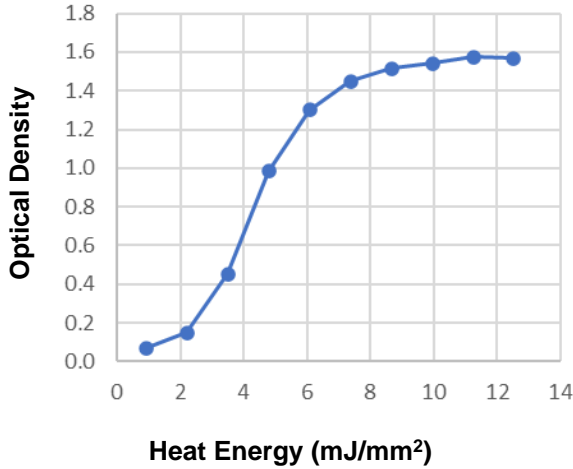
| ITEM | SPECIFICATION | TEST METHOD |
|---------------------|---------------|--------------|
| Oil Resistance | Image | 1.05 Minimum |
| | Background | 0.20 Maximum |
| Moisture Resistance | Image | 1.00 Minimum |
| | Background | 0.20 Maximum |
| Heat Resistance | Image | 1.00 Minimum |
| | Background | 0.20 Maximum |
| Light Lesistance | Image | 1.00 Minimum |
| | Background | 0.20 Maximum |

ADHESIVE PROPERTIES

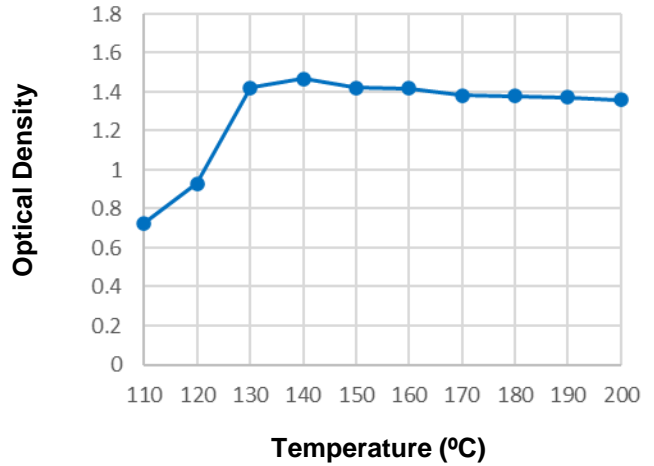
| ITEM | UNIT | SPECIFICATION | TEST METHOD |
|------------------|---------|---------------|---------------------------------|
| Shear Resistance | mm | 2.00 Maximum | 1kg, 30min, 25mm×25mm, 22°C 55% |
| Release Value | mN/40mm | 300 Maximum | 300mm/min, 22°C 55% |
| Peel Adhesion | N/25mm | 12.7 Minimum | SUS, 300mm/min, 22°C 55% |

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.

135PLS-LST – ADHESIVE PROPERTY

| GRADE | UNIT | Acrylic Emulsion Adhesive |
|-------------------------|------|---------------------------|
| Application Temperature | °F | 41 to 95 |
| Service Temperature | °C | 5 to 35 |
| Application Temperature | °F | 41 to 95 |
| Service Temperature | °C | 5 to 35 |

CERTIFICATES / REGULATIONS / DIRECTIVES

BPA Free
REACH

RoHS
WEEE

ISO9001
ISO14001

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