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140TLE
DIRECT THERMAL

Specifications may change without notice.
Last Update: June 2025 PS-2064 (Rev.10)

PRODUCT FEATURES

140TLE is a high-sensitivity direct thermal paper designed for tag and ticket applications. With a 5.0 mil caliper, it delivers superior image resolution and barcode reliability. Its smooth surface enhances thermal printhead longevity, making it an excellent choice for entertainment tickets, parking passes, automated tickets, and shelf tags.

APPLICATION AREAS

- Entertainment
- Parking Ticket
- Automated Tickets
- Shelf Tags

FACESTOCK PROPERTIES

Basis Weight	
lbs (24 x 36 x 500 sheets)	71.3 ± 7.1
lbs (17 x 22 x 500 sheets)	30.9 ± 3.1
g/sq m	116 ± 12
Caliper	
mil	5 ± 0.5
µm	126 ± 12
Image Density (ODU Minimum)	1.25
Tear Strength (gf Minimum)	
MD	50
CD	50
Stiffness (g-cm Minimum)	
MD	6.0
CD	5.0
Initial Activation Temperature (ºF / ºC)	
O.D. = 0.2	212ºF / 100ºC
Effective Activation Temperature (ºF / ºC)	
O.D. = 0.8	252ºF / 122ºC

CERTIFICATIONS

- ISO9001
- ISO14001

REGULATORY

BPA Free

No Added PFAS

PRESERVATION PROPERTIES

Oil Resistance	
Image	1.00 Minimum
Background	0.15 Maximum
Test Method	40ºC, Dry, 15 Hrs, X-Rite (ODU)
Moisture Resistance	
Image	1.00 Minimum
Background	0.15 Maximum
Test Method	40ºC, 90% RH, 24 Hrs, X-Rite (ODU)
Heat Resistance	
Image	0.80 Minimum
Background	0.20 Maximum
Test Method	80ºC, Dry, 24 Hrs, X-Rite (ODU)
Florescence Light Resistance	
Image	1.15 Minimum
Background	0.15 Maximum
Test Method	5000 lx, 100 Hrs, X-Rite (ODU)

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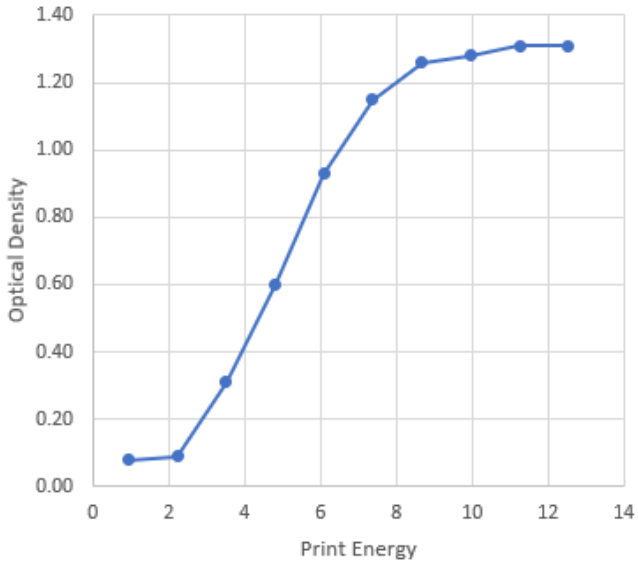
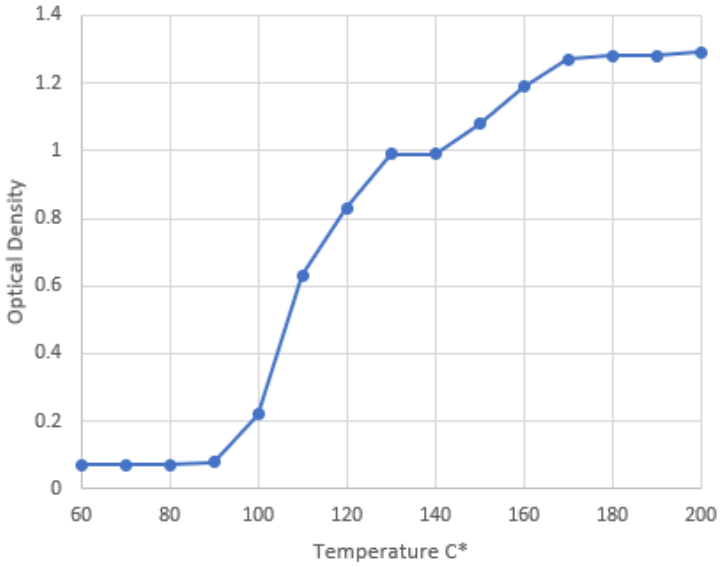
140TLE DIRECT THERMAL SENSITIVITY RESULTS

DYNAMIC SENSITIVITY



STATIC SENSITIVITY



Sensitivity curves for reference only. Storage Conditions: Below 95ºF (35ºC) and less than 85% R.H. in a warehouse, avoiding direct sunlight. Dynamic sensitivity tests performed on Markpoint MP104.

CONTACT US

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