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140TLE
Direct Thermal Paper

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 140TLE Direct Thermal Paper, specifically designed for tag/ticket applications, has exceptionally high image resolution and high barcode reliability.

KEY FEATURES

Ricoh's 140TLE with high sensitivity, excellent image resolution and image preservation. Smooth surface for improved thermal head life.

APPLICATION AREAS

Entertainment

Parking Ticket

Automated Tickets

Shelf Tags

FACESTOCK / PRESERVATION PROPERTIES

FACESTOCK PROPERTIES

ITEM		UNIT	SPECIFICATION	TEST METHOD
Basis Weight		lbs (24x36x500 sheets)	71.3 ± 7.1	TAPPI T-410
		lbs (17x22x500 sheets)	30.9 ± 3.1	
		g/m2	116 ± 12	
Caliper		mil	5 ± 0.5	TAPPI T-411
		µm	126 ± 12	
Image Color			Black	Visual Check
Image Density	(ODU)	Minimum	1.25	X-Rite Densitometer
Tear Strength	MD	gf Minimum	50	TAPPI T-414
	CD	gf Minimum	50	
Stiffness	MD	g-cm Minimum	6.0	TAPPI T-489
	CD	g-cm Minimum	5.0	
Initial Activation Temperature	(O.D. = 0.2)	ºF / ºC	212 / 100	
Effective Activation Temperature	(O.D. = 0.8)	ºF / ºC	252 / 122	

PRESERVATION PROPERTIES

ITEM	SPECIFICATION		TEST METHOD
Heat Resistance	Image	0.80 Minimum	80º C, Dry, 24 Hours
	Background	0.20 Maximum	X-Rite (ODU)
Oil Resistance	Image	1.00 Minimum	40º C, Dry, 15 Hours
	Background	0.15 Maximum	X-Rite (ODU)
Moisture Resistance	Image	1.00 Minimum	40º C, 90% RH, 24 Hours
	Background	0.15 Maximum	X-Rite (ODU)
Florescence Light Resistance	Image	1.15 Minimum	5000 lx, 100 Hours
	Background	0.15 Maximum	X-Rite (ODU)

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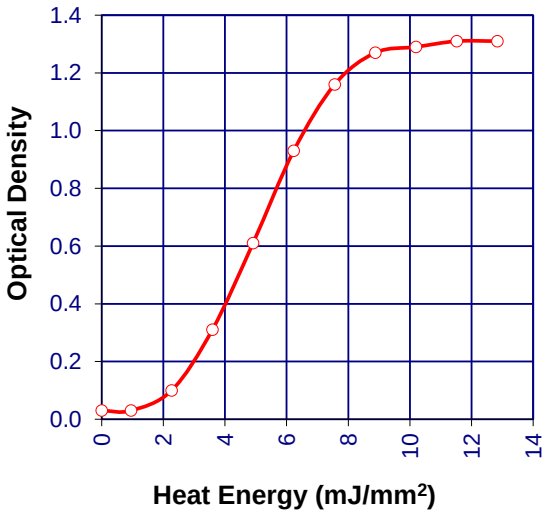
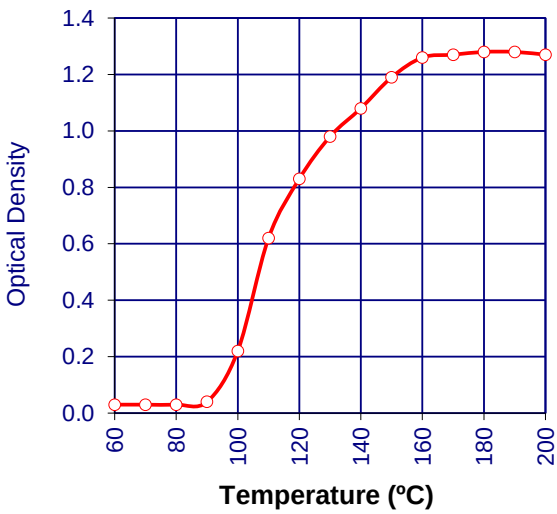
DYNAMIC AND STATIC SENSITIVITY

Dynamic Sensitivity



Static Sensitivity



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

CERTIFICATES / REGULATIONS / DIRECTIVES

BPA Free No Added PFAS ISO9001 ISO14001

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