

Direct Thermal Products Guide

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Ricoh's superior top-coated direct thermal (DT) papers and synthetic products are designed to outperform; providing our customers with proven reliability and a product that is exceptionally well-suited for a variety of applications.

All Ricoh DT products are BPA free.
Data presented is for reference only. All thermal and adhesive properties should be tested by end-user for suitability, prior to use.

Excellent – Tested in actual application	✓
Test recommended for suitability	

	Products	Features	Caliper µm (mil)	Postal & Shipping	Distribution/ Inventory	Product I.D.	Weigh Scale	Meat Processing	Fruits / Vegetables	Shelf Tags	Prescription	Laboratory	Wristbands	Airline Baggage Tags	Tickets	Ski Lift Tickets	
Paper Base	N140LA	Standard top-coated thermal paper. High sensitivity. Medium-high image resolution. Strong image preservation against most environments.	76 ± 7 (3.0)	✓	✓	✓	✓	✓									
	N150LA-2	Premium top-coated thermal paper. High sensitivity. Higher image resolution & barcode reliability. Highest heat resistance.	76 ± 8 (3.0)			✓	✓	✓			✓						
	130NIR-3	Near Infrared readable; able to scan up to 670nm. Medium sensitivity and good image resolution. Moderate image preservation properties.	76 ± 8 (3.0)	✓	✓												
	150PRx PF	Completely Phenol Free. Strong resistance to medical solutions. Soap, lotion & hand sanitizer resistant. Medium-high sensitivity.	78.5 ± 8 (3.1)			✓					✓	✓					
	140TLE	Premium top-coated thermal paper. High sensitivity; high stiffness. Excellent image resolution & image preservation.. Smooth surface for improved thermal head life.	132 ± 15 (5.2)			✓				✓					✓		
Film Base	140LES	High sensitivity direct thermal film. Durable PP base film; tearing & water resistant. High image preservation against most environments.	99 ± 10 (3.9)			✓	✓	✓		✓		✓	✓	✓			✓
	140LDS		65 ± 9 (2.6)			✓	✓	✓	✓	✓		✓	✓				
	135WRX-60	High sensitivity direct thermal film. Durable PP base film; tearing & water resistant. High image preservation against most environments.	61 ± 7 (2.4)							✓		✓	✓	✓			

Application Areas