DIRECT THERMAL PRODUCTS GUIDE

	PRODUCT	FEATURES	CALIPER µm (mil)	Airline Bag Tags	Courier	Food Processing	Food Weigh Scale	Healthcare	Industrial Warehouse	Lab	Shelf Tags	Tickets	Wrist-bands
PAPER BASE	N140 PF	• Highly sensitive with medium-high image resolution • Completely phenol-free standard top-coated DT paper • Strong resistance to plasticizers	76 ± 7 (3.0)		✓	✓	✓		✓				
PAPER BASE	N150 PF	• Highly sensitive with excellent image resolution • Completely phenol-free premium top-coated DT paper • Highest heat resistance	76 ± 7 (3.0)			✓	✓		✓				
PAPER BASE	130NIR-3 PF	• Medium sensitivity with good image resolution • Completely phenol-free standard top coated DT paper • Strong heat, moisture and water resistance	76 ± 7 (3.0)		✓								
PAPER BASE	150LB PF	• Medium sensitivity and excellent image resolution • Completely phenol-free premium top-coated DT paper with anti-flagging design ideal for curved surfaces • Strong resistance to medical solutions	78.5 ± 7 (3.1)					✓		✓			
PAPER BASE	150PRx PF	• Medium-high sensitivity and excellent image resolution • Completely phenol-free premium top-coated DT paper • Strong resistance to medical solutions	78.5 ± 8 (3.1)					✓					
PAPER BASE	140TLE PF	• Highly sensitive with exceptional image resolution • Completely phenol-free DT paper specifically designed for tag and ticket applications • Smooth surface for improved thermal head life	126 ± 12 (5.0)									✓	
PAPER BASE	140ST 1.6M PF	• Medium sensitivity with medium-high image resolution • Completely phenol-free standard top-coated DT paper with 1.6 mil thin liner • Thin liner reduces waste and increases roll capacity	76 ± 7 (3.0)		✓				✓				
PAPER BASE	130PLL-RN	• Medium sensitivity with excellent image resolution • Silicone linerless standard top-coated DT label • Strong heat resistance	88 ± 10 (3.5)		✓		✓						
PAPER BASE	130PLL-RRE	• Medium sensitivity with excellent image resolution • Silicone linerless standard top-coated DT label • Removable adhesive	88 ± 10 (3.5)		✓		✓						
PAPER BASE	135PLS-LST	• Highly sensitive with strong image resolution • Silicone linerless standard top-coated DT label • Strong heat resistance	90 ± 10 (3.5)		✓		✓						
FILM BASE	CDT-1 (PET)	• High sensitivity with excellent image resolution • Completely phenol-free and transparent polyester DT film • Highly tear and water resistant	54 ± 6 (2.1)			✓	✓				✓		
FILM BASE	140LES PF	• High sensitivity and image preservation properties • Completely phenol-free durable polypropylene DT base film • Highly tear and water resistant	99 ± 10 (3.9)	✓		✓					✓		✓
FILM BASE	140LDS PF	• High sensitivity and preservation properties • Completely phenol-free, durable polypropylene DT base film • Highly tear and water resistant	59 ± 6 (2.3)			✓				✓	✓		✓
FILM BASE	140LFS	• High sensitivity and image preservation properties • BPS-free, durable polypropylene DT base film • Highly tear and water resistant	80 ± 11 (3.1)	✓		✓				✓	✓		✓
FILM BASE	135WRx-60	• Medium sensitivity direct thermal film • Durable PP base film; tearing & water resistant • Image durability that resists solvents	61 ± 7 (2.4)					✓		✓	✓		✓

Ricoh Electronics, Inc. - 1125 Hurricane Shoals Rd., Lawrenceville, GA 30043 - P: (800) 843-7058
F: (888) 843-7059 - orders@rei.ricoh.com - Last Update: January 2026 - Ref: PS-1345 (Rev. 13)

*Data presented is for reference only. All thermal and adhesive properties should be tested by end-user for suitability, prior to use.

✓ : Excellent Suitability* ■ : Test for Suitability