



# SPECIFICATION

## LT 421

**Description:** Direct thermal top coated  
**Application:** Well suited for Retail, Logistic, Industrial label

### Physical Properties

	Unit	Specification	Test method
Substance	g/m <sup>2</sup>	65.0 ± 3.0	ISO 536
Thickness	µm	75 ± 5	ISO 534
Smoothness	Sec	Min 1000	Oken method
Brightness	%	Min 75	ISO 2470 (C/2°)

### Paper Strength

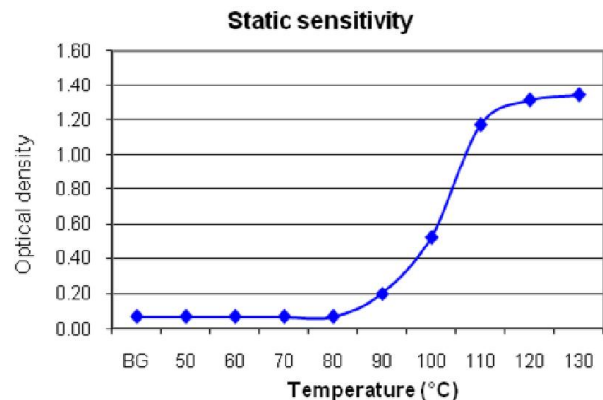
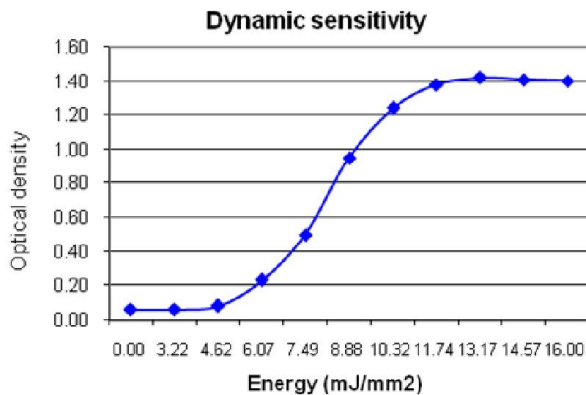
	Unit	Specification	Test method	
Tensile Strength	MD/CD	kN/m	Min 3.0 / Min 1.0	ISO 1924-2
Tearing Strength	MD/CD	mN	Min 300 / Min 300	ISO 1974
Stiffness	MD/CD	Cm <sup>3</sup> /100	>30 / >15	JIS P8143

### Image Density

	Specification	Test method
10.32mJ/ mm <sup>2</sup>	Min 0.80	Atlantek 400 / Speed 4.0 inch/sec.
16.00mJ/ mm <sup>2</sup>	Min 1.35	

### Durability

	Background / Image part	Test method
Heat Resistance	Max 0.20 / Min 1.25	60°C dry 24Hrs.
Moisture Resistance	Max 0.20 / Min 1.25	40°C 90%RH 24Hrs.
Light Resistance	Max 0.20 / Min 1.25	5000Lux 100Hrs.
Water Resistance	Max 0.20 / Min 0.50	Immerse water Room temp 24Hrs.
Oil Resistance	Max 0.20 / Min 1.10	Wipe 24Hrs.
Plasticizer Resistance	Max 0.20 / Min 1.25	PVC film Room temp. 24Hrs.



### Storage Suggestion

Our thermal paper should be stored at a constant temperature of 23 ± 5 °C and a relative humidity of 50 ± 10%. Exposure to strong sunlight or strong artificial light or the influence of aggressive chemicals should be avoided.

Valid from June 2023