

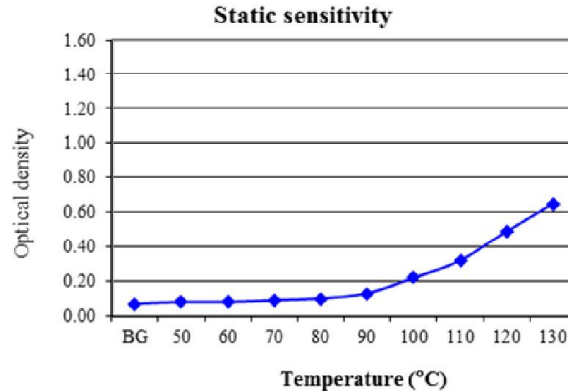
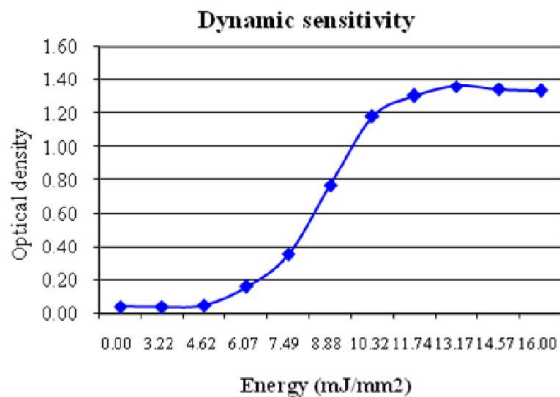


SPECIFICATION

LT 431N

Description: Direct thermal top coated, strong microwave resistance.
Application: Well suited for industrial label, using in convenient store.

<u>Physical Properties</u>		Unit	Specification	Test method
Substance		g/m ²	76.0 ± 3.0	ISO 536
Thickness		µm	80 ± 5	ISO 534
Smoothness		Sec	Min 1000	Oken method
Brightness		%	Min 80	ISO 2470 (C/2°)
Tensile Strength	MD/CD	kN/m	Min 3.5 / Min 1.8	ISO 1924-2
Tearing Strength	MD/CD	mN	Min 330 / Min 350	ISO 1974
Stiffness	MD/CD	Cm ³ /100	>35 / >20	JIS P8143
<u>Image Density</u>				
10.32mJ/ mm ²			Min 0.80	Atlantek 400 / Speed 4.0 inch/sec.
16.00mJ/ mm ²			Min 1.35	
<u>Durability</u>			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 0.90	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.
100% Ethanol Resistance			Max 0.20 / Min 1.25	Wipe Room temp.
Microwave Resistance			Max 0.20 / Min 1.25	800W 5mins.



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