



SPECIFICATION

LT 533

Description: Direct thermal top coated, OBA Free, Strong alcohol resistance
Application: Well suited for Baggage Tag, Hospital, Retail, Industrial label

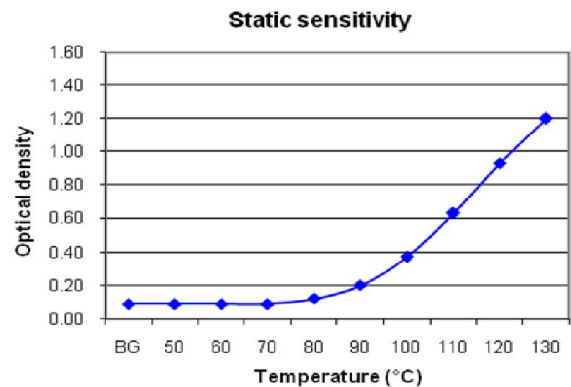
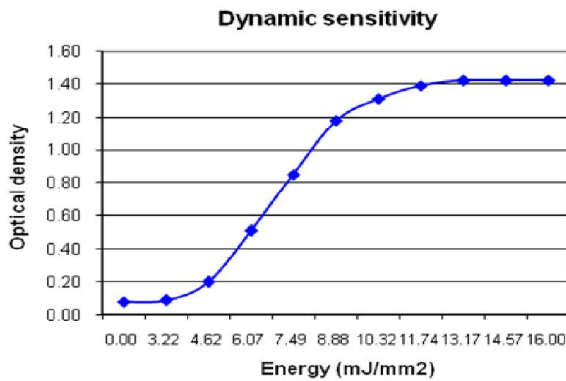
<u>Physical Properties</u>		<u>Unit</u>	<u>Specification</u>	<u>Test method</u>
Substance		g/m ²	76 ± 3.0	ISO 536
Thickness		µm	80 ± 5	ISO 534
Smoothness		Sec	Min 1000	Oken method
Brightness		%	Min 78	ISO 2470 (C/2°)
Whiteness		%	Min 88	ISO 11476 (C/2°)
Opacity		%	Min 90	ISO 2471 (C/2°)
Curl			+2 ~ +6	
Tensile strength	MD/CD	kN/m	Min 3.5 / Min 1.8	ISO 1924-2
Tear strength	MD/CD	mN	Min 300 / Min 350	ISO 1974
Stiffness	MD/CD	Cm ³ /100	>35 / >20	JIS P8143

Image Density

10.32mJ/ mm ²	Min 0.80	Atlantek 400 / Speed 4.0 inch/sec.
16.00mJ/ mm ²	Min 1.40	

Durability

	<u>Background / Image part</u>	<u>Test method</u>
Heat Resistance	Max 0.20 / Min 1.25	60°C dry 24Hrs.
Heat Resistance	Max 0.25 / Min 1.25	90°C dry 1Hr.
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 0.95	Immerse water Room temp 24Hrs.
Oil Resistance	Max 0.20 / Min 1.20	Wipe 24Hrs.
Plasticizer Resistance	Max 0.20 / Min 1.25	PVC film Room temp. 24Hrs.
Plasticizer Resistance	Max 0.20 / Min 1.25	PVC film 40°C C 24Hrs.
100% Ethanol Resistance	Max 0.20 / Min 1.25	Wipe Room temp



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