



SPECIFICATION

LT 523

Description: Direct thermal top coated, OBA Free, Strong alcohol resistance
Application: Retail, Hospital, Industrial label

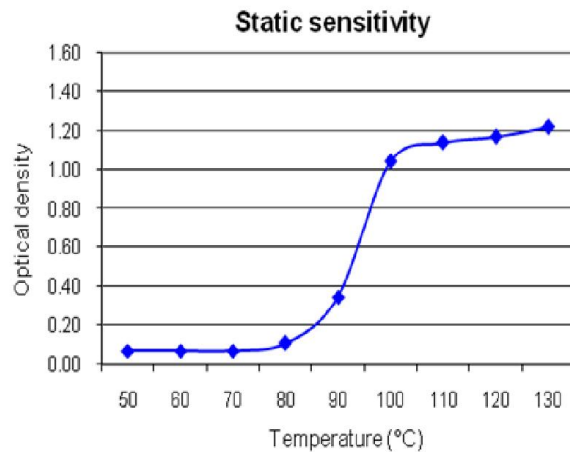
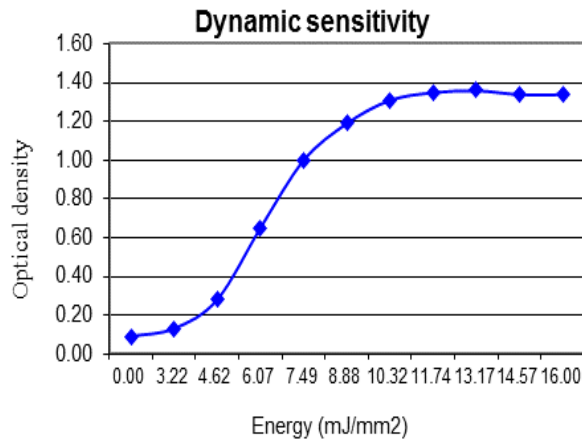
| <u>Physical Properties</u> | | Unit | Specification | Test method |
|----------------------------|-------|----------------------|----------------------|--------------------|
| Substance | | g/m ² | 65.0 ± 3.0 | ISO 536 |
| Thickness | | µm | 75 ± 5 | ISO 534 |
| Smoothness | | Sec | Min 1000 | Oken method |
| Brightness | | % | Min 80 | ISO 2470 (C/2°) |
| 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 ³ /100 | >30 / >15 | JIS P8143 |

Image Density

| | | |
|--------------------------|----------|------------------------------------|
| 10.32mJ/ mm ² | Min 1.00 | Atlantek 400 / Speed 4.0 inch/sec. |
| 16.00mJ/ mm ² | Min 1.25 | |

Durability

| | Background / Image part | Test method |
|-------------------------|--------------------------------|--------------------------------|
| Heat Resistance | Max 0.20 / Min 1.15 | 60°C dry 24Hrs. |
| Moisture Resistance | Max 0.20 / Min 1.15 | 40°C 90%RH 24Hrs. |
| Light Resistance | Max 0.20 / Min 1.15 | 5000Lux 100Hrs. |
| Water Resistance | Max 0.20 / Min 0.90 | Immerse water Room temp 24Hrs. |
| Oil Resistance | Max 0.20 / Min 1.00 | Wipe 24Hrs. |
| Plasticizer Resistance | Max 0.20 / Min 1.15 | PVC film Room temp 24Hrs. |
| 100% Ethanol Resistance | Max 0.20 / Min 1.15 | Wipe Room temp. |
| 20% Ethanol Resistance | Max 0.20 / Min 1.10 | Immerse 10 min. |



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