



# PRODUCT INFORMATION

## 084MB - 3.3 MIL SYNTHETIC MEDIUM SENSITIVITY FILM

A 3.3 mil BOPP direct thermal film. Top coated for durability. Medium degree of sensitivity. Use when moisture and environmental resistance are important. Good stiffness for ease of dispensing. Dark image for excellent ability to be read and scanned.

| Test Property               | Units                         | Typical Value | Metric Units    | Metric Value | Test Method |
|-----------------------------|-------------------------------|---------------|-----------------|--------------|-------------|
| Basis Weight                | lbs/25X38-500<br>(3300 Sq Ft) | 45.9          | grams/sq meter  | 67.9         | TAPPI T410  |
| Caliper - Average           | mil                           | 3.3           | um (micrometer) | 83.8         | TAPPI T411  |
| Smoothness (PPS) Print Side | um                            | 1.3           | um              | 1.3          | TAPPI T555  |
| Tear-MD                     | grams                         | 26            | mN              | 255.0        | TAPPI T414  |
| Tear-CD                     | grams                         | 15            | mN              | 147.1        | TAPPI T414  |
| Tensile-MD                  | lb/inch                       | 22.25         | kN/m            | 3.9          | TAPPI T494  |
| Tensile-CD                  | lb/inch                       | 22.25         | kN/m            | 3.9          | TAPPI T494  |
| Stiffness-MD                | Gurley (mg)                   | 46            | mN              | .5           | TAPPI T543  |
| Stiffness-CD                | Gurley (mg)                   | 67            | mN              | .7           | TAPPI T543  |
| Brightness                  | %                             | 90.0          | %               | 90.0         | TAPPI T452  |
| Initial Activation Temp     | F                             | 162           | C               | 72           | ISO 1924    |
| Effective Activation Temp   | F                             | 190           | C               | 88           | ISO 1924    |
| Optimum Activation Temp     | F                             | 207           | C               | 97           | ISO 1924    |
| Area Yield                  | sq in/lb                      | 10349         | sq m/kg         | 14.8         | ASTM E252   |

**Notes**

<http://gbp.com/coated-direct-thermal-ink-recommendations>

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