



GRADE COMPARISON

ECONOMY TOP COATED DIRECT THERMAL PAPER (024DT)

ECONOMY TOP COATED DIRECT THERMAL PAPER (025DT)

| | | 024DT | 025DT |
|--------------------------------|-------------|---|---|
| Property | Test Method | Target | Target |
| Basis Weight | TAPPI T410 | 53.4 lbs / 25X38-500 (79.0 g/m ²) | 47.2 lbs / 25X38-500 (69.9 g/m ²) |
| Caliper - Average | TAPPI T411 | 3.2 mil (81.3 um) | 3.1 mil (78.7 um) |
| Opacity | TAPPI T425 | 92 % (92.0 %) | 87 % (87.0 %) |
| Smoothness (PPS) Print Side | TAPPI T555 | 1.0 um (1.0 um) | 1.5 um (1.5 um) |
| Tear-MD | TAPPI T414 | 43 grams (421.7 mN) | 50 grams (490.3 mN) |
| Tear-CD | TAPPI T414 | 44 grams (431.5 mN) | 55 grams (539.4 mN) |
| Tensile-MD | TAPPI T494 | 32 lb/inch (5.6 kN/m) | 29 lb/inch (5.1 kN/m) |
| Tensile-CD | TAPPI T494 | 16 lb/inch (2.8 kN/m) | 16 lb/inch (2.8 kN/m) |
| Stiffness-MD | TAPPI T543 | 90 Gurley (mg) (.9 mN) | 90 Gurley (mg) (.9 mN) |
| Stiffness-CD | TAPPI T543 | 45 Gurley (mg) (.4 mN) | 35 Gurley (mg) (.3 mN) |
| Brightness | TAPPI T452 | 80 % (80.0 %) | 82.0 % (82.0 %) |

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Green Bay Packaging Inc.
Coated Products Operations

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| | | | |
|------------------------------|----------|------------------|------------------|
| Initial Activation Temp | ISO 1924 | 192 F (89 C) | 199 F (93 C) |
| Effective Activation Temp | ISO 1924 | 244 F (118 C) | 234 F (112 C) |
| Optimum Activation Temp | ISO 1924 | 300 F (149 C) | 275 F (135 C) |

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