



Nithya Paper and Boards Lanka Pvt.Ltd

PRD/Spc-03
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PRODUCT SPECIFICATION FOR FLUTING MEDIUM

| PARAMETERS | UNIT | | FM-112 | FM-120 | FM-125 | FM-135 | FM-140 | FM-150 | FM-160 | FM-175 | FM-200 | FM-220 | FM-250 |
|----------------|--------------------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Substance | gr/m ² | | 112 | 120 | 125 | 135 | 140 | 150 | 160 | 175 | 200 | 220 | 250 |
| Tolerance | % | | +/-5 | +/-5 | +/-5 | +/-5 | +/-5 | +/-5 | +/-5 | +/-5 | +/-5 | +/-5 | +/-5 |
| Burst Strength | kpa | Target | 220 | 235 | 245 | 270 | 275 | 294 | 319 | 343 | 382 | 422 | 480 |
| | | Min | 197 | 216 | 221 | 240 | 247 | 265 | 284 | 309 | 343 | 382 | 431 |
| | Kg/cm ² | Target | 2.24 | 2.4 | 2.5 | 2.75 | 2.8 | 3 | 3.25 | 3.5 | 3.9 | 4.3 | 4.9 |
| | | Min | 2.01 | 2.2 | 2.25 | 2.45 | 2.52 | 2.7 | 2.9 | 3.15 | 3.5 | 3.9 | 4.4 |
| | psi | Target | 32 | 34 | 36 | 39 | 40 | 43 | 46 | 50 | 55 | 61 | 70 |
| | | Min | 29 | 31 | 32 | 35 | 36 | 38 | 41 | 45 | 50 | 55 | 63 |
| Burst Factor | | Target | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | | Min | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| Bursting Index | kpa | Target | 1.96 | 1.96 | 1.96 | 2.00 | 1.96 | 1.96 | 1.99 | 1.96 | 1.91 | 1.92 | 1.92 |
| | | Min | 1.76 | 1.80 | 1.77 | 1.78 | 1.77 | 1.77 | 1.78 | 1.77 | 1.72 | 1.74 | 1.73 |
| RCT,CD | N | Target | 137 | 145 | 152 | 168 | 183 | 198 | 213 | 259 | 305 | 335 | 366 |
| | | Min | 122 | 130 | 137 | 152 | 168 | 183 | 198 | 244 | 290 | 320 | 351 |
| | kN/m | Target | 0.9 | 0.95 | 1 | 1.1 | 1.2 | 1.3 | 1.4 | 1.7 | 2 | 2.2 | 2.4 |
| | | Min | 0.8 | 0.85 | 0.9 | 1 | 1.1 | 1.2 | 1.3 | 1.6 | 1.9 | 2.1 | 2.3 |
| | KG/6 inch | Target | 14 | 15 | 16 | 17 | 19 | 20 | 22 | 26 | 31 | 34 | 37 |
| | | Min | 12 | 13 | 14 | 16 | 17 | 19 | 20 | 25 | 30 | 33 | 36 |
| Cobb 60 sec | sec | | 40-60 | 40-60 | 40-60 | 40-60 | 40-60 | 40-60 | 40-60 | 40-60 | 40-60 | 40-60 | 40-60 |
| Moisture | % | | 7+/-1 % | | | | | | | | | | |

Test Method - TAPPI

Test Condition -23C±1°C Temp

Relative Humidity 50±2% as per TAPPI

Allowance +/-5%

Note:

1. Per TAPPI Standard Conditions at 50±2% Relative Humidity, and 23±1°C temperature
2. Results per reel average in standard conditions, except for Basis Weight and Moisture
3. This supersedes all previous versions, including undated ones

Technical Information

Reel Widths, Preferably Trimming 4300mm MAX

Reel diameters, Max 1500mm

Quantity Tolerance +/-5%

Test Method - TAPPI STANDARD

Bursting Factor TAPPI T 807
RCT TAPPI T 822
Cobb TAPPI T 441