

GSM RANGE : 230 – 600

**APPLICATIONS**

High Speed Printing Job

Packaging Board

Recommended for multi colour printing on :

1. Letter Press
2. Offset
3. Roto Gravure



| S.N. | SUBSTANCE | CALIPER | BULK    | STIFFNESS |     | STIFFNESS RATIO | MOISTURE | PARAMETERS                | UNITS         | VALUE      |
|------|-----------|---------|---------|-----------|-----|-----------------|----------|---------------------------|---------------|------------|
|      |           |         |         | gm. Cm    |     |                 |          |                           |               |            |
|      | g / m2    | Micron  | cc / gm | MD        | CD  |                 | %        |                           |               |            |
| 1    | 230       | 256     | 1.11    | 55        | 22  | 2.5 : 1         | 6.0%     | Roughness PPS             | Microns       | 3.0 ± 0.5  |
| 2    | 250       | 283     | 1.13    | 68        | 27  | 2.5 : 1         | 6.3%     | Brightness Top            | %             | 75.0 % ± 1 |
| 3    | 260 / 263 | 294     | 1.13    | 77        | 30  | 2.5 : 1         | 6.5%     | Gloss at 750              | %             | 30.0 % ± 2 |
| 4    | 285       | 322     | 1.13    | 85        | 33  | 2.5 : 1         | 6.6%     | Internal Bond Strength    | Fit LB / 1000 | > 65       |
| 5    | 296 / 300 | 335     | 1.13    | 100       | 40  | 2.5 : 1         | 6.7%     | IGT Dry Pick              | (m/sec)       | > 0.6      |
| 6    | 320       | 362     | 1.13    | 125       | 50  | 2.5 : 1         | 6.8%     | Surface PH                | -             | 5.5 – 6.0  |
| 7    | 330       | 374     | 1.13    | 130       | 52  | 2.5 : 1         | 7.0%     | Cobb (Max) (Top - Bottom) | g / m2        | 50 / 70    |
| 8    | 350       | 403     | 1.15    | 155       | 62  | 2.5 : 1         | 7.0%     | SOAT (Min)                | Sec           | 300        |
| 9    | 370       | 431     | 1.16    | 170       | 67  | 2.5 : 1         | 7.0%     | B.F.                      | -             | 14 ± 1     |
| 10   | 380       | 440     | 1.16    | 180       | 72  | 2.5 : 1         | 7.3%     | Bendsten Smoothness       | ml / min      | 30 – 40    |
| 11   | 390       | 452     | 1.16    | 200       | 80  | 2.5 : 1         | 7.3%     |                           |               |            |
| 12   | 400       | 468     | 1.17    | 215       | 88  | 2.4 : 1         | 7.3%     |                           |               |            |
| 13   | 420       | 492     | 1.17    | 230       | 95  | 2.4 : 1         | 7.3%     |                           |               |            |
| 14   | 450       | 527     | 1.17    | 265       | 107 | 2.4 : 1         | 7.5%     |                           |               |            |
| 15   | 500       | 592     | 1.18    | 345       | 140 | 2.4 : 1         | 8.0%     |                           |               |            |
|      | TOLERANCE |         |         |           |     |                 |          |                           |               |            |
|      | ± 3 %     | ± 5 %   | ± 5 %   | ± 10 %    |     |                 | ± 1 %    |                           |               |            |