



**EMAMI PAPER MILLS LTD**  
**PM-4 BOARD MACHINE UNIT:-BALASORE**  
**SPECIFICATION SHEET**

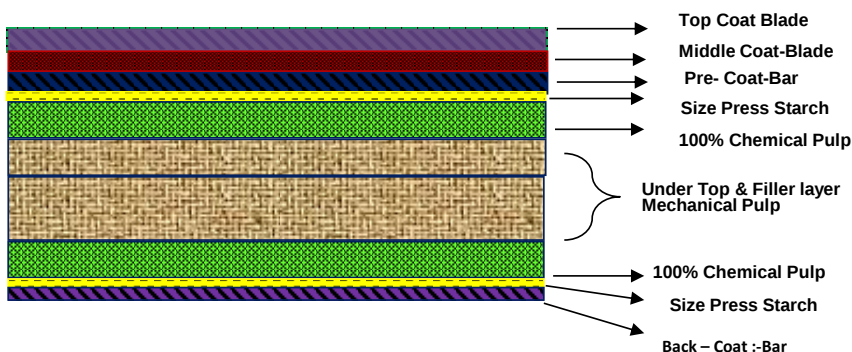
Date:-01.09.2016

Rev:-02

**Product :Emami MaxoFold Board**

| Substance (GSM)<br>Tappi T 410 om-02 /<br>ISO 536 | Calliper (µm) Tappi T<br>411 om-97 | Bulk (cm3/g)                  | Bending Resistance (L&W) mN -Tappi T556 om-95 |           |     |
|---------------------------------------------------|------------------------------------|-------------------------------|-----------------------------------------------|-----------|-----|
|                                                   |                                    |                               | MD                                            | CD        | GM  |
| 185                                               | 266                                | 1.44                          | 116                                           | 56        | 80  |
| 190                                               | 277                                | 1.46                          | 128                                           | 61        | 88  |
| 200                                               | 296                                | 1.48                          | 149                                           | 70        | 102 |
| 230                                               | 345                                | 1.50                          | 191                                           | 93        | 133 |
| 240                                               | 365                                | 1.52                          | 219                                           | 108       | 154 |
| 250                                               | 380                                | 1.52                          | 249                                           | 122       | 174 |
| 270                                               | 413                                | 1.53                          | 284                                           | 140       | 199 |
| 280                                               | 431                                | 1.54                          | 321                                           | 158       | 225 |
| 290                                               | 450                                | 1.55                          | 377                                           | 188       | 266 |
| 300                                               | 468                                | 1.56                          | 435                                           | 217       | 307 |
| 320                                               | 506                                | 1.58                          | 505                                           | 255       | 359 |
| 330                                               | 525                                | 1.59                          | 555                                           | 282       | 396 |
| 340                                               | 541                                | 1.59                          | 595                                           | 303       | 424 |
| 350                                               | 560                                | 1.60                          | 658                                           | 336       | 470 |
| 370                                               | 592                                | 1.60                          | 753                                           | 386       | 539 |
| 400                                               | 644                                | 1.61                          | 887                                           | 454       | 634 |
| 450                                               | 729                                | 1.62                          | 1106                                          | 567       | 792 |
| Tol. : ± 3%                                       | ± 5%                               | ± 5%                          | ± 15% on Goemetric Mean values                |           |     |
| PARAMETER                                         | UNIT                               | TEST PROCEDURE                |                                               | VALUES    |     |
| Plybond                                           | (J/m²)                             | Tappi T 569 pm-00             |                                               | > 130     |     |
| Roughness (PPS)                                   | microns (µ)                        | Tappi T 555 om-99/ ISO 8791-4 |                                               | 1.8 (Max) |     |
| IGT Dry pick (MV)                                 | m/s                                | ISO 3782 & 3783               |                                               | 0.8 (Min) |     |
| ISO Brightness TS                                 | (%)                                | ISO 2470                      |                                               | 85 (Min)  |     |
| CIE Whiteness TS                                  | (%)                                | ISO 11476                     |                                               | 97 (min)  |     |
| Gloss at 75o                                      | (%)                                | Tappi T 480 om-92/ ISO 8254-1 |                                               | 35 (Min)  |     |
| Cobb 60 - T/S                                     | g/m²                               | Tappi T441 om-98 / ISO 535    |                                               | 30 ± 5    |     |
| B/S                                               | g/m²                               | Tappi T441 om-98 / ISO 535    |                                               | 35 ± 5    |     |
| Moisture                                          |                                    |                               |                                               |           |     |
| 200 - 300 gsm                                     | (%)                                | Tappi T412 om 02 / ISO 287    |                                               | 6.0 - 7.5 |     |
| 301 - 450 gsm                                     | (%)                                |                               |                                               | 7.0 - 8.5 |     |

**Board Construction**



**\* Note**

- 1 All Properties are according to Laboratory testing parameters at Emami Paper Mills Ltd, Unit:- Balasore
- 2 All Properties are tested in controlled climatic condition i.e.Temperature:-23±1°C and RH :-50±5%
- 3 This specification can be improved further, subject to product upgradation
- 4 Tolerance are based upon 95% Confidence limit of single mill measurement of conditioned random samples
5. This specification sheet superseeds all the earlier specification sheets
6. This product is Approved by INVENTIA-SWEDEN for direct food packaging application
7. FSC -Mix Credit board is supplied on demand.