

**KARTONPLAST® SHEET ANTISTATIC STANDARD**
**Basic material:** polypropylene

| CHARACTERISTIC            | FEASIBILITY  | ACCEPTANCE CRITERIA                      | TEST PROCEDURE No. |
|---------------------------|--|--|--------------------|
| Length (along the flutes) | From 500 to 6,000 mm   | +/- 1%                                   | 7                  |
| Length (rolls)            | From 10,000 to 300,000 mm  |  |                    |
| Width (across the flutes) | From 400 to 2,700 mm   | +/- 3 mm                                 | 7                  |
| Diagonal differences      | ///  | < 1 %                                    | 8                  |
| Thickness (sheets)        | From 1.8 to 11.00 mm   | +/- 0.1 mm                               | 9                  |
| Thickness (rolls)         | From 1.8 to 2.0 mm   |  |                    |
| Density (sheets)          | From 220 to 3,000 gsm  | +/- 5%                                   | 10                 |
| Density (rolls)           | From 250 to 450 gsm  |  |                    |
| Master opacity            | ///  | +/- 5 % with respect to reference sample | 12                 |
| Planarity                 | ///  | Max. 1 wave and +/- 0.5% length / width  | 14                 |
| Aesthetic appearance      | Evaluation by the quality control expert of the product with respect to reference sample |  | 18                 |
| ANTISTATIC feature        | Surface resistance – min. 10 <sup>12</sup> OHM   |  | --                 |

**Substandard product:** product that diverges from 1 or more of the preceding characteristics

**1. Standard boards: gsm dependent upon the thickness**

|     |         | •Thickness |     |     |       |       |       |       |       |
|-----|---------|------------|-----|-----|-------|-------|-------|-------|-------|
|     |         | 1.8        | 2.0 | 2.5 | 3.0   | 3.5   | 4.0   | 4.5   | 5     |
| gsm | Minimum | 250        | 250 | 400 | 500   | 650   | 800   | 850   | 900   |
|     | Max.    | 600        | 700 | 800 | 1,000 | 1,500 | 1,500 | 1,500 | 1,500 |

**1.Level compression limits (values expressed in KPA) dependent upon the principal grams per sq. m**

|                    |       | •Principal grams per sq. M |       |         |         |       |
|--------------------|-------|----------------------------|-------|---------|---------|-------|
|                    |       | 300                        | 500   | 1,000   | 1,150   | 1,500 |
| <b>Compression</b> | > 300 | > 600                      | > 900 | > 1,300 | > 3,000 |       |

**1.Applicable processes**

Printing process standard value of the parameter =46; however not lower than 40 dynes/cm): on two sides

Printing (flexography, serigraphy )

Punching / squaring (tolerance on length/width is reduced to : +/- 1 mm )

Gluing

Flue closure ( only in case of sheet used as separator; tolerance on length/width is reduced: -0 + 5 mm)

**2.Packaging**

Wooden pallet, heat-shrinking film, straps, protection angle bars