

# Optima RF

**Unbleached paper with 50% virgin and 50% recycled fiber mix**

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## Technical specification, target values

| Property              | Unit             |           |          |          |          |           | Standard   |
|-----------------------|------------------|-----------|----------|----------|----------|-----------|------------|
| Grammage              | g/m <sup>2</sup> | 60 ± 2.5  | 70 ± 2.5 | 80 ± 2.5 | 90 ± 3.0 | 110 ± 3.0 | ISO 536    |
| Tensile strength MD   | kN/m             | 5.7       | 6.6      | 7.6      | 8.5      | 9.8       | ISO 1924-3 |
| Tensile strength CD   | kN/m             | 2.2       | 2.5      | 2.9      | 3.2      | 3.8       | ISO 1924-3 |
| Tearing resistance MD | mN               | 600       | 750      | 850      | 970      | 1180      | ISO 1974   |
| Tearing resistance CD | mN               | 800       | 940      | 1070     | 1200     | 1450      | ISO 1974   |
| Bursting Strength     | kPa              | 280       | 330      | 370      | 420      | 500       | ISO 2758   |
| Cobb <sub>60</sub>    | g/m <sup>2</sup> | 30        |          |          |          |           | ISO 535    |
| Moisture              | %                | 7.5 ± 1.5 |          |          |          |           | ISO 287    |

Laboratory test climate 23 °C/50 % RH (according to ISO 187).

MD=machine direction, CD=cross direction.

Reel diameter: 1200-1250 mm. Reel width: min 120 mm, max 2500 mm. Reel core size: 76 mm ± 1 mm.

The figures provided in this initial technical data sheet are preliminary estimations made at the onset of the manufacturing process and may deviate from actual production outcome.

**Producing mill: Ostroleka, Poland**

## Certificates

Quality management ISO 9001

Environmental management ISO 14001

Food safety ISO 22000

Occupational health and safety ISO 45001

FSC Chain of Custody: FSC® -C127282

PEFC Chain of Custody: KIWAFI-PEFC-COC-208949

Stora Enso is committed to continuously optimize quality for the evolving needs of end users. Our products' specifications are reviewed, and if necessary, updated to reflect quality development. Please check the latest version from Stora Enso web site.

## Ideal storage conditions: 23 °C / 50 % RH

Paper should be stored in a dry, covered and ventilated warehouse.

It is recommended that prior to use in production, paper should be stored some time in conditions similar to the conditions in the production hall. The required storage period depends mainly on the volume of paper reel, as well as the temperature difference between the warehouse and production hall.

