

TECHNICAL DATA SHEET

Offset Standard Reels

Physical Parameters

| | REFERENCE | TARGET | TYPICAL VALUES | |
|--------------------------------|-----------------|--------|----------------|------|
| Basis Weight, g/m ² | ISO 536 | 80.0 | 76.0 | 84.0 |
| Thickness, µm | ISO 534 | 101 | 96 | 106 |
| Stiffness MD, mN | ISO 2493-1 | | ≥ 70 | |
| Stiffness CD, mN | ISO 2493-1 | | ≥ 30 | |
| Tensile MD, kN/m | ISO 1924-2 | | ≥ 3.9 | |
| Bendtsen Roughness, ml/min | ISO 8791-2 | 180 | 100 | 260 |
| Air Permeability, ml/min | ISO 5636-3 | | ≤ 1700 | |
| Moisture, % | ISO 287 | 6.0 | 5.0 | 7.0 |
| Formation, # | Internal Method | | ≥ 25 | |

Optical Parameters

| | REFERENCE | TARGET | TYPICAL VALUES | |
|-------------------|------------|--------|----------------|-----|
| Whiteness, CIE | ISO 11475 | 136 | 131 | 141 |
| Brightness D65, % | ISO 2470-2 | 101 | 97.0 | 105 |
| Opacity, % | ISO 2471 | 93 | ≥ 90 | |

The product specifications provided hereby can be changed on one or more parameters at any time by The Navigator Company

Approved by:

Technical Department: Eng. Vitor Crespo



QUALITY AND ENVIRONMENTAL INFORMATION

- The Navigator Company's papers are made from Elemental Chlorine Free (ECF) bleached kraft pulp;
- The Navigator Company's papers are produced in a neutral/slightly alkaline papermaking process, therefore considered as "acid free" products which meet the requirements of ISO 9706 standard, *"Information and documentation – Paper for documents – Requirements for permanence"*;
- The Navigator Company's laboratories are accredited according to the ISO 17025 standard;
- Quality, Environmental and Safety Management Systems are certified according to the ISO 9001, ISO 14001 and OHSAS 18001 standards.
- The Navigator Company is chain-of-custody certified according to standards FSC-STD-40-004 and FSC-STD-40-005 (NC-COC-014433/NC-CW-014433) and to standard PEFC ST 2002:2013 (APCER/2007/CDR.0008).