

## TECHNICAL DATA SHEET

### Office Premium Reels

#### Physical Parameters

	REFERENCE	TARGET	TYPICAL VALUES	
Basis Weight, g/m <sup>2</sup>	ISO 536	90.0	86.4	93.6
Thickness, μm	ISO 534	118	114	122
Stiffness MD, mN	ISO 2493-1		≥ 140	
Stiffness CD, mN	ISO 2493-1		≥ 50	
Tensile MD, kN/m	ISO 1924-2		≥ 6.5	
Bendtsen Roughness, ml/min	ISO 8791-2	200	160	240
Air Permeability, ml/min	ISO 5636-3		≤ 1000	
Moisture, %	ISO 287	4.3	3.8	4.8
Formation, #	Internal Method		≥ 35	

#### Optical Parameters

	REFERENCE	TARGET	TYPICAL VALUES	
Whiteness, CIE	ISO 11475	169	166	172
Brightness D65, %	ISO 2470-2	112	109	115
Opacity, %	ISO 2471	96	≥ 94	

Approved by:

Product Development and Technical Services: 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).