

## TECHNICAL DATA SHEET

### Offset Standard Reels

#### Physical Parameters

	REFERENCE	TARGET	TYPICAL VALUES	
Basis Weight, g/m <sup>2</sup>	ISO 536	70.0	66.5	73.5
Thickness, μm	ISO 534	89.0	84.0	94.0
Stiffness MD, mN	ISO 2493-1		≥ 50	
Stiffness CD, mN	ISO 2493-1		≥ 20	
Tensile MD, kN/m	ISO 1924-2		≥ 3.6	
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	90	≥ 86	

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).