

**Product:** Notturmo

**Category:** Small Format Digital - Specialty Paper

**Mill:** Gruppo Cordenons Mill

**Country of Origin:** Italy

### Technical specifications:

#### Processes

- Notturmo is suitable for offset and digital printing, letterpress, embossing, foil stamping, paper etching, screen printing and die cutting.
- Non transparent Inks, oxidizing inks recommended.
- Screen ruling 55/60 lines, 140 - 150 dpi
- Varnishes are suitable.
- Ideal for embellishments.
- Score board weights parallel to grain before folding.

#### Certifications

- Well Managed Forest
- ISO 14001
- ECF

#### Applications

- |                                                                                                                          |                                              |                                             |
|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------|
| <input type="radio"/> Annual Reports                                                                                     | <input type="radio"/> Direct Mail            | <input type="radio"/> Outdoor Use           |
| <input type="radio"/> Brochures                                                                                          | <input type="radio"/> Folders                | <input checked="" type="radio"/> Packaging  |
| <input checked="" type="radio"/> Corporate Identity                                                                      | <input checked="" type="radio"/> Invitations | <input type="radio"/> Presentation Material |
| <input checked="" type="radio"/> Other: Covers, fly sheets, greeting cards, menus, swing tags, business cards, envelopes |                                              |                                             |

#### 90 GSM

PROPERTIES	UNIT	MINIMUM	TARGET	MAXIMUM	METHOD
Basis Weight	g/m <sup>2</sup>	86	90	94	MCM-003 (ISO 536)
Caliper	µm	103	110	117	MCM-004 (ISO 534)
Water absorption (Cobb60) wire side	g/m <sup>2</sup>	20	25	30	MCM-011 (ISO 535)
Water absorption (Cobb60) felt side	g/m <sup>2</sup>	19	24	29	
Breaking load MD	Kg/15mm	4.6	6.5	***	MCM-017 (ISO 1924)
Breaking load CD	Kg/15mm	2.5	3.5	***	

#### 140 GSM

PROPERTIES	UNIT	MINIMUM	TARGET	MAXIMUM	METHOD
Basis Weight	g/m <sup>2</sup>	140	133	147	MCM-003 (ISO 536)
Caliper	µm	170	160	180	MCM-004 (ISO 534)
Water absorption (Cobb60) wire side	g/m <sup>2</sup>	25	21	29	MCM-011 (ISO 535)
Water absorption (Cobb60) felt side	g/m <sup>2</sup>	24	20	28	
Breaking length MD	Km	5.2	4.2	6.2	MCM-017 (ISO 1924)
Breaking length CD	Km	3.0	2.4	3.6	

# Technical specification sheet

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250 GSM					
PROPERTIES	UNIT	MINIMUM	TARGET	MAXIMUM	METHOD
Basis Weight	g/m <sup>2</sup>	250	238	263	MCM-003 (ISO 536)
Caliper	µm	305	287	323	MCM-004 (ISO 534)
Water absorption (Cobb60) wire side	g/m <sup>2</sup>	25	21	29	MCM-011 (ISO 535)
Water absorption (Cobb60) felt side	g/m <sup>2</sup>	24	20	28	
Breaking length MD	Km	4.5	3.6	5.4	MCM-017 (ISO 1924)
Breaking length CD	Km	2.4	1.9	2.9	

300 GSM					
PROPERTIES	UNIT	MINIMUM	TARGET	MAXIMUM	METHOD
Basis Weight	g/m <sup>2</sup>	282	300	318	MCM-003 (ISO 536)
Caliper	µm	339	365	391	MCM-004 (ISO 534)
Water absorption (Cobb60) wire side	g/m <sup>2</sup>	20	25	30	MCM-011 (ISO 535)
Water absorption (Cobb60) felt side	g/m <sup>2</sup>	19	24	29	
Breaking length MD	Km	3.1	4.4	***	MCM-017 (ISO 1924)
Breaking length CD	Km	1.6	2.3	***	

350 GSM					
PROPERTIES	UNIT	MINIMUM	TARGET	MAXIMUM	METHOD
Basis Weight	g/m <sup>2</sup>	329	350	371	MCM-003 (ISO 536)
Caliper	µm	400	430	460	MCM-004 (ISO 534)
Water absorption (Cobb60) wire side	g/m <sup>2</sup>	20	25	30	MCM-011 (ISO 535)
Water absorption (Cobb60) felt side	g/m <sup>2</sup>	19	24	29	
Breaking length MD	Km	3.1	4.4	***	MCM-017 (ISO 1924)
Breaking length CD	Km	1.6	2.3	***	

390 GSM					
PROPERTIES	UNIT	MINIMUM	TARGET	MAXIMUM	METHOD
Basis Weight	g/m <sup>2</sup>	371	390	410	MCM-003 (ISO 536)
Caliper	µm	437	465	493	MCM-004 (ISO 534)
Water absorption (Cobb60) wire side	g/m <sup>2</sup>	21	25	29	MCM-011 (ISO 535)
Water absorption (Cobb60) felt side	g/m <sup>2</sup>	20	24	28	
Breaking length MD	Km	3.0	4.0	5.0	MCM-017 (ISO 1924)
Breaking length CD	Km	1.7	2.2	2.8	
Stiffness (Taber 15°) MD	mN	259	370	481	MCM-023 (ISO 2493)
Stiffness (Taber) CD	mN	133	190	247	

# Technical specification sheet

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450 GSM					
PROPERTIES	UNIT	MINIMUM	TARGET	MAXIMUM	METHOD
Basis Weight	g/m <sup>2</sup>	428	450	473	MCM-003 (ISO 536)
Caliper	µm	494	525	557	MCM-004 (ISO 534)
Water absorption (Cobb60) wire side	g/m <sup>2</sup>	21	25	29	MCM-011 (ISO 535)
Water absorption (Cobb60) felt side	g/m <sup>2</sup>	20	24	28	
Breaking length MD	Km	2.6	3.4	4.3	MCM-017 (ISO 1924)
Breaking length CD	Km	1.4	1.9	2.4	
Stiffness (Taber 15°) MD	mN	315	450	585	MCM-023 (ISO 2493)
Stiffness (Taber) CD	mN	161	230	299	

700 GSM					
PROPERTIES	UNIT	MINIMUM	TARGET	MAXIMUM	METHOD
Basis Weight	g/m <sup>2</sup>	658	700	742	MCM-003 (ISO 536)
Caliper	µm	837	900	963	MCM-004 (ISO 534)
Water absorption (Cobb60) wire side	g/m <sup>2</sup>	20	25	30	MCM-011 (ISO 535)
Water absorption (Cobb60) felt side	g/m <sup>2</sup>	19	24	29	