



Issued: 01.2017
Cancels: 12.2016

Technical specification

Property / Unit	Tolerance									Standards
	±4%	220	240	270	300	350	400	450	500	
Grammage, g/m ²	±4%	220	240	270	300	350	400	450	500	ISO 536
Thickness, µm	±4%	230	255	290	330	400	450	520	600	ISO 534
Bending stiffness DIN 5° MD, mNm	-15%	7.2	11.1	16.2	22.1	37.4	55.3	72.3	102.0	
Bending stiffness DIN 5° CD, mNm	-15%	4.0	5.1	7.7	11.1	18.3	26.4	34.0	48.5	
Bending moment Taber 15° MD, mNm	-15%	4.1	6.3	9.2	12.6	21.3	31.4	41.1	58.0	
Bending moment Taber 15° CD, mNm	-15%	2.3	2.9	4.3	6.3	10.4	15.0	19.3	27.5	
Bending resistance L&W 15° MD, mN	-15%	85	130	190	260	440	650	850	1200	ISO 2493-1
Bending resistance L&W 15° CD, mN	-15%	47	60	90	130	215	310	400	570	
Moisture, %		6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	ISO 287
ISO Brightness C/2°, %		95	95	95	95	95	95	95	95	ISO 2470-1
CIE Whiteness D65/10°		135	135	135	135	135	135	135	135	ISO 11475
L* D65/10°		96,5	96,5	96,5	96,5	96,5	96,5	96,5	96,5	ISO 5631-2
a* D65/10°		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
b* D65/10°		-10,5	-10,5	-10,5	-10,5	-10,5	-10,5	-10,5	-10,5	
Surface Smoothness PPS 10, µm	max 1.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	ISO 8791-4
Surface Smoothness Bendtsen, ml/min		20	20	20	20	20	20	20	20	ISO 8791-2
Scott Bond, J/m ²		220	220	220	220	220	220	220	220	TAPPI 569 om-09
Gloss 75°, %		48	48	48	48	48	48	48	48	ISO 8254-1

Optical and surface properties valid for both sides

All properties according to Imatra Mill measurements.

Test climate 23°C/50% RH (according to ISO 187). In order to verify, reel/pallet average shall be based on 5 single measurements randomly sampled within the reel/pallet. These averages will be for at least 19 of 20 reels/pallets within the specification limits.

Certificates

Quality management ISO 9001
Environmental management ISO 14001
Product safety ISO 22000
Health and safety OHSAS 18001
Energy management ISO 50001
Forest certification and Chain-of-Custody, FSC® (logo licence number FSC-C105192), PEFC™ (logo licence number PEFC/02-31-71)

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