



TECHNICAL STANDARD VALUES

IMPORTANT: Please check which is the standard grammage on the MANUFACTURING SPECIFICATION chart

Grammage g / m <sup>2</sup>	Caliper µm	Bulk cm <sup>3</sup> / g	Bending stiffness by static methods							
			5° (L&W)				15° (Taber)			
			mNm		mNm (*)		gcm (*)		mN (*)	
			MD	CD	MD	CD	MD	CD	MD	CD
210	275	1.30	8.2	4.1	4.1	2.1	42	21	82	41
230	305	1.32	11.0	5.5	5.5	2.8	56	28	110	55
250	335	1.34	14.2	7.1	7.5	3.8	77	39	151	76
275	375	1.36	18.2	9.1	9.6	4.8	98	49	193	96
300	410	1.36	22.2	11.1	11.5	5.8	118	59	231	115
320	435	1.36	27.4	13.6	14.2	7.1	145	72	285	142
350	475	1.36	35.2	17.6	18.0	9.0	183	92	359	180

(\*) calculated figures

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Test climate (DIN 50 014) : 23°C / 50% rH

Properties	Testing methods	Tolerances
Grammage	g / m <sup>2</sup> DIN-EN-ISO 536	± 2 %
Caliper	µm DIN-EN-ISO 534	± 5 %
Bending stiffness	mNm DIN 53 121	5°(Lorentzen & Wettre) - 15 %
	mNm ISO 2493	15°(Taber) - 15 %

Tolerances as agreed by the FFI (the association of the German carton makers) dated September 2000

OTHER CHARACTERISTICS

Brightness	Top	%	ISO 2470	85 ± 1
	Back	%	ISO 2470	73 ± 2
Cobb 60 sec	Top	g / m <sup>2</sup>	DIN-EN-ISO 535	20 - 60
	Back	g / m <sup>2</sup>	DIN-EN-ISO 535	30 - 200
Gloss 60°	Top	%	( Dr. Lange )	> 14

Tolerances in 2 sigma area

