



## KARTONSAN PRODUCT SPECIFICATION

<b>GT1: LUXTRIPLEX CARDBOARD</b>	<i>Luxtriplex is the premium grade with high smoothness &amp; stiffness, consisting of recycled fiber amount around 75-80% Both sides are coated where back side is also white. Luxtriplex grade has excellent printing, box manufacture as well as filling runnability.</i>
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		Taber #15	
Grammage	Caliper	MD Stiffness	CD Stiffness
225	285	5,1	2,8
250	310	7,0	3,9
280	355	9,6	5,1
300	385	11,5	6,5
350	455	17,8	9,3
400	525	24,7	13,2
450	605	35,8	18,0

<b>GD2: EXPRINT CARDBOARD</b>	<i>Exprint is the premium grade with high smoothness &amp; stiffness, consisting of recycled fiber amount around 75-80% Both sides are coated where back side is grey. Exprint grade has excellent printing, box manufacture as well as filling runnability.</i>
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		Taber #15	
Grammage	Caliper	MD Stiffness	CD Stiffness
225	280	5,1	2,5
250	320	7,2	3,5
280	360	9,8	4,7
300	390	11,5	5,5
350	465	18,0	8,5
400	540	26,3	12,3
450	610	36,0	16,8

<b>GD3: NORMPRINT CARDBOARD</b>	<i>Normprint cardboard has coating at the top layer. Back side is grey. Its produced from 95% recycled paper. Normprint grade has excellent printing, box manufacture as well as filling runnability.</i>
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		Taber #15	
Grammage	Caliper	MD Stiffness	CD Stiffness
250	305	6,5	2,8
280	340	8,2	3,6
300	365	10,2	4,5
320	390	12,9	5,5
350	430	16,5	6,5
400	505	24,0	8,7
450	570	33,0	12,0
500	635	40,0	14,5
550	705	48,0	17,4

<b>NORMPRINT - LINER CARDBOARD</b>	<i>Normprint Liner cardboard has coating both of the sides. Back side is grey and produced from 100% recycled paper. Normprint Liner grade has excellent lamination, printing, box manufacture, and filling runnability.</i>
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Grammage	Caliper	SCT (cd)	Burst
180	200	2,6	300
200	230	2,9	340
225	260	3,1	370

	Luxtriplex	Exprint	Normprint	Normprint - Liner
Brightness	82	82	78	80
Brightness Back Side	69	-	-	-
PPS	2,0	2,0	2,5	2,5

Parameter	Grammage	Caliper	Stiffness	Brightness (Elrepho)	PPS	Burst	SCT - cd
Unit	gr/m <sup>2</sup>	µm	mNm		µm	kPa	kNm
Tolerance	± 3%	± 5%	-15%	-1 -2 (Back Side)	+ 0,5	-20%	-0,3
Testing Method	ISO 536	ISO 534	ISO 2493	ISO 2470	ISO 8791-4	ISO 2759	ISO 9895

\* Sampling is done according to ISO 186 Method. Conditioning: T= 23 ± 1 °C and RH= 50 ± 3%

OUR PRODUCTS ENSURE THE REQUIREMENTS OF EN 13430 RECYCLABILITY AND EN 13432 BIODEGREADABILITY STANDARDS