

Endura MG Kraft

one side glazed kraft paper

Technical specification

PARAMETER		PARAMETER VALUE										TEST METHOD
Basis weight [g/m²]		32	35	40	45	50	60	70	80	90	100	PN-ISO-536
	Tolerance [g/m ²]	± 1,5	± 1,5	± 2,0	± 2,0	± 2,0	± 2,5	± 3,0	± 3,0	± 4,0	± 5,0	
Tensile breaking strength [kN/m]	MD typical	3,45	3,78	4,32	4,85	5,39	6,47	7,55	7,85	8,82	9,81	PN-EN-ISO-1924-2
	min	2,83	3,09	3,53	3,97	4,41	5,29	6,18	6,28	7,06	7,85	
	CD typical	1,41	1,54	1,76	1,99	2,21	2,65	3,09	3,14	3,53	3,92	
	min	1,19	1,30	1,57	1,76	1,96	2,29	2,40	2,45	2,65	2,94	
Tearing resistance [mN]	MD typical	200	210	250	300	340	450	570	730	880	1050	PN-EN-21974
	min	160	170	210	250	300	400	500	650	800	900	
	CD typical	260	280	330	390	440	580	740	880	1050	1150	
	min	220	230	280	340	390	480	650	800	900	1000	
Bursting strength [kPa]	typical	160	180	210	240	260	300	350	380	420	440	PN-EN-ISO-2758
	min	130	150	170	190	220	250	290	310	340	350	
Water absorption Cobb₆₀ [g/m²]	max	30										PN-ISO-535
Moisture [%]		5 – 9										PN-ISO-287

Measure conditions: relative moisture 50 ± 2% ; temperature 23 ± 1°C (PN-EN 20187)
Minimal values are guaranteed.

MD – Machine Direction
CD – Cross Direction

Technical information

1. Acceptable number of breaks in a reel: max 3. All breaks spliced and marked on the head of reel in red.
2. Diameter of reels min 100, max 125 cm.
3. Width of reels: min 10,5 cm, max 250 cm.
4. Tolerance of paper cutting: ± 2 mm.
5. Diameter of a core: 7,6 cm ± 1 mm ; 7,0 cm ± 1 mm
6. Cores secured with corks.
7. Reels are unpacked, 6 outside layers make a wrapping of a reel. Packing of reels is possible on customer's request.
8. Standard marking of reel:
 - two labels on the horizontal surface
 - the number of reel on the reel head
9. Recommendations regarding paper storage.

Paper should be stored in a dry, covered and airy store. Before paper is used in production it needs to be left in conditions similar to those of its converting for some time. This period varies from a paper reel volume and difference of temperatures between a production hall and a store. So, if a paper reel has a volume of over 1,5m³ ($\phi > 1$ m, L > 2m) and difference between temperatures amounts over 30°C the storage time should come to about 5 days. Smaller volumes of paper reels and lower differences of temperatures require shorter storage period. Complying with the above will significantly improve paper converting.
10. Paper is produced in two types: plain and ribbed.
11. On customer's request the paper can be produced with addition of wet strength agent. Wet strength value to be agreed separately.
12. Production of Endura MG Kraft is certified in accordance with ISO 9001 quality management system, 14001 environmental management system and OHSAS 18001 safety management system.
13. Above specification TD-CZOO-31-10-13-P is valid from 01.03.2013 until the next one is issued. It replaces TD-CZOO-31-09-08-P.
14. Other than mentioned above parameters and technical information to be agreed separately.