



Optima HP

High porosity sack kraft paper

TD-CZOO-17-03-13-P

Technical specification

PARAMETER		UNIT	PARAMETER VALUE				TEST METHOD
Basis weight		g/m ²	70	75	80	90	PN-ISO 536
	Tolerance		±2,5	±2,5	±2,5	±3,0	
Tensile index	MD typical min	Nm/g	74 63	74 63	74 63	74 63	PN-EN ISO 1924-3
	CD typical min		55 44	55 44	55 44	55 44	
Tensile strength	MD typical min	kN/m	5,2 4,4	5,5 4,7	5,9 5,0	6,6 5,6	
	CD typical min		3,8 3,1	4,1 3,3	4,4 3,5	4,9 3,9	
Strain at break	MD typical min	%	6,0 5,4	6,0 5,4	6,0 5,4	6,0 5,4	
	CD typical min		7,4 6,0	7,2 6,0	7,2 6,0	7,0 5,8	
Tensile Energy Absorption (TEA) index	MD typical min	J/g	2,7 2,3	2,7 2,3	2,7 2,3	2,7 2,3	
	CD typical min		2,7 2,3	2,6 2,2	2,6 2,2	2,6 2,2	
Tensile Energy Absorption (TEA)	MD typical min	J/m ²	190 161	202 172	216 184	243 207	
	CD typical min		190 161	195 165	208 176	234 198	
Air permeability, Gurley	max	s	5				PN-92/P-50176/05 (idt. ISO 5636-5)
Water absorption, Cobb ₆₀	max	g/m ²	32				PN-ISO 535
Moisture		%	7,5±1,5				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. Number of breaks in a reel: max 3. All breaks stuck and marked on the head of reel in red.
2. Diameter of reels: min 80 cm, max 125 cm.
3. Cutting tolerance ± 2 mm.
4. Core diameter: 7.6 cm ± 1 mm or 7.0 cm ± 1 mm.
5. Cores are secured with plugs.
6. Reels are not wrapped. Six outer layers make a wrapping of a reel. Other kinds of packing available.
7. Standard marking of reel:
 - two labels on the horizontal surface
 - the number of reel on the reel head
8. Recommendations regarding paper storage:

Paper should be stored in a dry, roofed and airy store. Before used in production, it needs to be left in conditions similar to those of its converting process for some time. This period depends on the paper reel volume and difference of temperatures between the production hall and the store. So, if a paper reel has a volume of over 1,5m³ ($\phi > 1$ m, L > 2m) and difference between temperatures amounts to over 30 °C, the storage time should be ca 5 days. Smaller volumes of paper reels and lower differences of temperatures require a shorter storage period. Compliance with the above conditions will significantly improve paper convertibility.
9. Production of **OPTIMA HP** is certified in accordance with ISO 9001 quality management system, ISO 14001 environmental management system and OHSAS 18001 safety management system.
10. Above specification TD-CZOO-17-03-13-P is valid from 01.03.2013 until the next one is issued. It replaces TD-CZOO-17-02-12-P.
11. Other than mentioned above parameters and technical information to be agreed separately.



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