



Optima Ex

Extensible sack kraft paper

TD-CZOO-12-03-13-P

Technical specification

PARAMETER			UNIT	PARAMERER VALUE			TEST METHOD
Basis weight			g/m ²	70	80	90	PN-ISO 536
Tolerance			g/m ²	±2,5	±2,5	±3,0	
Tensile strength index	MD	typical min	Nm/g	72 62	72 62	72 62	PN-EN ISO 1924-3
	CD	typical min		53 43	53 43	53 43	
Tensile strength	MD	typical min	kN/m	5,0 4,3	5,7 4,9	6,4 5,5	
	CD	typical min		3,7 3,0	4,2 3,4	4,7 3,9	
Strain at break	MD	typical min	%	7,4 6,5	7,4 6,5	7,4 6,5	
	CD	typical min		7,4 6,5	7,4 6,5	7,4 6,5	
Tensile Energy Absorption (TEA) index	MD	typical min	J/g	3,1 2,6	3,1 2,6	3,1 2,6	
	CD	typical min		2,9 2,4	2,8 2,3	2,8 2,3	
Tensile Energy Absorption (TEA)	MD	typical min	J/m ²	224 182	248 208	279 234	
	CD	typical min		203 168	224 184	252 207	
Air permeability, Gurley		max	s	18			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.

Technical information

1. Number of breaks in a reel: max 3. All breaks stuck and marked on the head of reel.
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 Ex is certified in accordance with ISO 9001 quality management system, 14001 environmental management system and OHSAS 18001 safety management system.
10. Above specification TD-CZOO-12-03-13-P is valid from 01.07.2013 until the next one is issued. It replaces TD-CZOO-12-02-13-P.
11. Other than mentioned above parameters and technical information to be agreed separately.



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