



Optima HP Evo™

Unbleached sack kraft paper high porosity

Issued: 04.2024

Cancels: 06.2023

Technical specification, typical & minimum values

				Standards
Grammage, g/m ²			110	ISO 536
Tolerance, g/m ²			± 3.0	
Tensile strength index, Nm/g	MD	typ	78	ISO 1924-3
		min	68	
	CD	typ	55	
		min	45	
Tensile strength, kN/m	MD	typ	8.6	ISO 1924-3
		min	7.3	
	CD	typ	6.1	
		min	4.8	
Strain at break, %	MD	typ	10.5	ISO 1924-3
		min	9.2	
	CD	typ	7.8	
		min	6.6	
Tensile Energy Absorption (TEA) index, J/g	MD	typ	4.4	ISO 1924-3
		min	3.7	
	CD	typ	2.6	
		min	2.4	
Tensile Energy Absorption (TEA), J/m ²	MD	typ	480	ISO 1924-3
		min	395	
	CD	typ	280	
		min	255	
Air permeability Gurley, s		max	9	ISO 5636-05
Cobb 60, g/m ²		max	32	ISO 535
Moisture, %			7.5±1.5	ISO 287

Laboratory test climate 23°C/50% RH (According to ISO 187). Minimum values are guaranteed.

MD=machine direction, CD=cross direction.

Reel diameters: 120-125 cm. Tolerance of reel width is +/- 2 mm. Reel core size 7.6 cm +/- 1mm.

Other diameters and cores are possible in cases of full trim of the machine deckle.

Producing mill: Ostroleka, Poland

Stora Enso is committed to continuous quality improvement. Our products' specifications are reviewed, and if necessary, updated with the objective to reflect quality improvements. Please check the latest version from Stora Enso web site.



Certificates

Quality Management ISO 9001
 Environmental Management ISO 14001
 Occupational Health and Safety ISO 45001
 Product Safety ISO 22000
 INS-COC-100054
 INS-PEFC-COC-208949

Ideal storage conditions: 23°C/50% RH

Paper should be stored in a dry, covered and ventilated warehouse. It is recommended that prior to use in production, paper should be stored some time in conditions similar to the conditions in the production hall. The required storage period depends mainly on the volume of paper reel, as well as the temperature difference between the warehouse and production hall.