



Optima Spring Formula™

Unbleached kraft paper

Issued: 04.2024

Cancels: 06.2023

Technical specification, typical & minimum values

				Standards			
Grammage, g/m²			130	140	145	155	ISO 536
Tolerance, g/m²			± 3.5	± 3.5	± 4.0	± 4.0	
Tensile strength, kN/m	MD	typ	12.5	14.3	14.8	15.5	ISO 1924-3
		min	12.0	13	13.3	13.5	
	CD	typ	5.4	5.6	5.8	6.5	
		min	5.0	5.2	5.4	5.8	
Strain at break, %	MD	typ	10.5	11.5	11.6	11.6	ISO 1924-3
		min	9.0	10.5	10.6	10.8	
	CD	typ	8.5	8.5	8.5	8.5	
		min	8.0	8.0	8.0	8.0	
Tensile Energy Absorption (TEA) index, J/g	MD	typ	690	750	760	800	ISO 1924-3
		min	620	700	710	780	
	CD	typ	350	360	370	420	
		min	310	330	340	370	
Tear strength index, mNm²/g	MD	typ	13	14	14	14	ISO 1974
		min	11.5	13	13	13	
	CD	typ	19	20	21	21	
		min	17	18	19	19	
Cobb 60, g/m²		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.