



Kraft Unbleached SPK® Product Specifications



End Uses

SPK high performance kraft paper is recommended for use in applications demanding high CD strength and superior converting runnability.

SPK is used in multiwall shipping sacks; flour, sugar, seed, feed, potatoes, etc., air filled dunnage bags and other specialty uses. SPK has proven to perform exceptionally in industrial applications and high strength laminated paper products.

Fibre Source

SPK is manufactured with a blend of virgin fibre from Black Spruce and Jack Pine. These northern boreal slow growing woods have exceptionally high strength potential. Canadian Kraft Paper (CKP) fibre is harvested and replanted in accordance with sustainable forest management practices under CSA, PEFC, and ISO 14001 environmental quality control standards.

Quality Systems

SPK quality is controlled with a comprehensive management system registered to ISO 9001 and incorporating elements of environmental (ISO 14001) and employee health and safety (OHAS 18001) management systems. CKP manufactures kraft papers in compliance with FDA as per 21 CFR 176.170 and 176.180, CONEG heavy metals and toxics, German recommendation XXXVI, 94/62/EEC certifications and is Kosher certified. This paper meets the requirements for packaging recoverable by composting and degradation ISO 17088 (2008) and EN 13432 2000. Certificates of compliance to all applicable regulatory requirements will be supplied upon request.

Typical Values SI (ISO 1924-3)

Properties	Units						Test Standard
Basis Weight	gsm		80	90	100	115	T410 os-68(1968)
Tensile	kN/m	MD	7.9	9.1	9.9	11.6	ISO 1924-3
		CD	4.5	5.1	5.5	6.0	
Tensile Index	Nm/g	MD	100	100	100	103	ISO 1924-3
		CD	57	57	57	52	
Stretch	%	MD	2.5	2.7	2.7	3.0	ISO 1924-3
		CD	8.9	8.9	8.7	8.7	
TEA	J/m ²	MD	140	170	185	235	ISO 1924-3
		CD	255	285	300	340	
TEA Index	J/g	MD	1.8	1.9	1.9	2.0	ISO 1924-3
		CD	3.2	3.2	3.2	3.0	
Tear	mN	MD	1125	1325	1390	1695	T414 om-88(1988)
		CD	1185	1345	1480	1875	
Porosity	Sec/100cc		15	15	15	15	T460 om-88(1988)
Cobb	g/m ² /min		30	30	30	30	T441 om-90(1990)
Moisture	%		7.5	7.5	7.5	7.5	T412 om-90(1990)

Product specifications in effect as of July 1, 2018

MD – Machine Direction CD – Cross Direction

Paper Laboratory Conditions: Temperature = 23+/-1°C Relative Humidity = 50%+/-2%



Premium 1 Papers 473 West Ave · Kelowna, BC · V1Y 4Z3
Tel: 250.870.5250 Fax: 250.870.5269 Toll Free: 1.866.611.5268
www.premium1papers.com





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Typical Values Imperial (ISO 1924-3)

Properties	Units						Test Standard
Basis Weight	lbs/3000ft ²		50	55	60	70	T410 os-68(1968)
Tensile	lbs/in	MD	45.1	52.0	56.5	66.2	ISO 1924-3
		CD	25.7	29.1	31.4	34.3	
Tensile Index	Nm/g	MD	100	100	100	103	ISO 1924-3
		CD	57	57	57	52	
Stretch	%	MD	2.5	2.7	2.7	3.0	ISO 1924-3
		CD	8.9	8.9	8.7	8.7	
TEA	ft lb/ft ²	MD	9.6	11.6	12.7	16.1	ISO 1924-3
		CD	17.5	19.5	20.5	23.3	
TEA Index	J/g	MD	1.8	1.9	1.9	2.0	ISO 1924-3
		CD	3.2	3.2	3.2	3.0	
Tear	g	MD	115	135	145	175	T414 om-88(1988)
		CD	120	140	150	190	
Porosity	sec/100cc		15	15	15	15	T460 om-88(1988)
Cobb	g/m ² /min		30	30	30	30	T441 om-90(1990)
Moisture	%		7.5	7.5	7.5	7.5	T412 om-90(1990)

Product specifications in effect as of July 1, 2018

MD – Machine Direction CD – Cross Direction

Paper Laboratory Conditions: Temperature = 73.4+/-1.8°F Relative Humidity = 50%+/-2%



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