

Kraft Unbleached SPX® - Velocity

Product Specifications



End Uses

SPX-Velocity high performance extensible kraft paper is characterized by balanced high strength in both the machine and cross direction with a high degree of air permeability (porosity).

Porous paper is used mainly for pasted valve sacks when no perforations are used. Porous paper is growing in demand where there is a need for faster filling and cleaner packaging. It is a more cost effective packaging solution.

Fibre Source

SPX-Velocity 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

SPX-Velocity 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	T410 os-68(1968)
Tensile	kN/m	MD	6.5	7.4	8.0	ISO 1924-3
		CD	4.8	5.2	5.6	
Tensile Index	Nm/g	MD	82	82	82	ISO 1924-3
		CD	60	60	60	
Stretch	%	MD	6.8	6.8	6.8	ISO 1924-3
		CD	8.9	8.9	8.9	
TEA	J/m ²	MD	240	280	310	ISO 1924-3
		CD	260	290	320	
TEA Index	J/g	MD	3.1	3.1	3.1	ISO 1924-3
		CD	3.2	3.2	3.2	
Tear	mN	MD	1050	1200	1350	T414 om-88(1988)
		CD	1100	1350	1500	
Porosity	Sec/100cc		5	5	5	T460 om-88(1988)
Cobb	g/m ² /min		30	30	30	T441 om-90(1990)
Moisture	%		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%





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Typical Values Imperial (ISO 1924-3)

Properties	Units				Test Standard	
Basis Weight	lbs/3000ft ²		50	55	60	T410 os-68(1968)
Tensile	lbs/in	MD	37.1	42.3	45.7	ISO 1924-3
		CD	27.4	29.7	32.0	
Tensile Index	Nm/g	MD	82	82	82	ISO 1924-3
		CD	60	60	60	
Stretch	%	MD	6.8	6.8	6.8	ISO 1924-3
		CD	8.9	8.9	8.9	
TEA	ft lb/ft ²	MD	16.4	19.2	21.2	ISO 1924-3
		CD	17.8	19.9	21.9	
TEA Index	J/g	MD	3.1	3.1	3.1	ISO 1924-3
		CD	3.2	3.2	3.2	
Tear	g	MD	105	120	140	T414 om-88(1988)
		CD	110	145	155	
Porosity	sec/100cc		5	5	5	T460 om-88(1988)
Cobb	g/m ² /min		30	30	30	T441 om-90(1990)
Moisture	%		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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