



Kraft Unbleached SPX® - Vector

Product Specifications



End Uses

SPX-Vector extensible high performance kraft paper has superior strength and stiffness with a high degree of air permeability.

SPX-Vector is used mainly for pneumatic filled sacks with no perforations. This paper is intended for single ply sack construction where the basis weight is higher and stiffness is increased. When used in this application, Vector will provide more economical and efficient sack construction and filling.

Fibre Source

SPX-Vector 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-Vector 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	120	130	T410 os-68(1968)	
Tensile	kN/m	MD	10.2	11.1	ISO 1924-3
		CD	7.8	8.4	
Tensile Index	Nm/g	MD	85	85	ISO 1924-3
		CD	65	65	
Stretch	%	MD	9.0	9.0	ISO 1924-3
		CD	9.0	9.0	
TEA	J/m ²	MD	450	495	ISO 1924-3
		CD	420	455	
TEA Index	J/g	MD	3.8	3.8	ISO 1924-3
		CD	3.5	3.5	
Tear	mN	MD	1560	1690	T414 om-88(1988)
		CD	1800	1950	
Porosity	Sec/100cc	12	12	T460 om-88(1988)	
Cobb	g/m ² /min	30	30	T441 om-90(1990)	
Moisture	%	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		74 80	T410 os-68(1968)	
Tensile	lbs/in	MD	58.2	63.4	ISO 1924-3
		CD	44.5	48.0	
Tensile Index	Nm/g	MD	85	85	ISO 1924-3
		CD	65	65	
Stretch	%	MD	9.0	9.0	ISO 1924-3
		CD	9.0	9.0	
TEA	ft lb/ft ²	MD	30.8	33.9	ISO 1924-3
		CD	28.8	31.2	
TEA Index	J/g	MD	3.8	3.8	ISO 1924-3
		CD	3.5	3.5	
Tear	g	MD	160	170	T414 om-88(1988)
		CD	185	200	
Porosity	sec/100cc		12	12	T460 om-88(1988)
Cobb	g/m ² /min		30	30	T441 om-90(1990)
Moisture	%		7.5	7.5	T412 om-90(1990)

Product specifications in effect as of July 10, 2018

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