

SPX-Vector®

Technical Data Sheet



End Uses

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

SPX-Vector® has been developed for single-ply valve sacks in demanding quick filling applications. The exceptional strength of this paper allows for reduced paper content per sack, which offers a more cost effective packaging solution. Generally sacks made from Vector do not require perforations.

Fibre Source

CKP paper is manufactured using unbleached kraft pulp and consists of 100% Northern Canadian virgin fibre. The slow growing softwood forests provide long fibre that gives our paper its superior strength. The fibre is harvested and replanted in accordance with sustainable forest management practices. CKP paper is fully biodegradable and is an eco-friendly packaging choice.

Typical Values SI

Properties	Units				Test Method
Basis Weight	gsm		120	130	ISO 536
Tensile	kN/m	MD CD	10.5 7.8	11.4 8.4	ISO 1924-3
Tensile Index	Nm/g	MD CD	88 65	88 65	ISO 1924-3
Stretch	%	MD CD	9.0 8.5	9.0 8.5	ISO 1924-3
TEA	J/m ²	MD CD	450 385	490 410	ISO 1924-3
TEA Index	J/g	MD CD	3.8 3.2	3.8 3.2	ISO 1924-3
Tear	mN	MD CD	1500 1800	1620 1950	ISO 1974
Air Resistance Cobb	sec/100cc g/m ² /min		10 30	10 30	ISO 5636-5 ISO 535
Moisture	%		7.5	7.5	ISO 287

In effect from July 1, 2022

MD – Machine Direction CD – Cross Direction

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

Approvals

CKP paper is produced in compliance with FDA CONEG, and BfR food packaging requirements.

Certification

Production of CKP paper is certified in accordance to ISO 9001 quality management system and ISEGA Food Contact. CKP forest management system is certified to CSA, PEFC Chain of Custody & ISO 14001 environment management.



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Typical Values Imperial

Properties	Units				Test Method
Basis Weight	lbs/3000ft ²		74	80	ISO 536
Tensile	lbs/in	MD	60.0	65.1	ISO 1924-3
		CD	44.5	48.0	
Tensile Index	Nm/g	MD	88	88	ISO 1924-3
		CD	65	65	
Stretch	%	MD	9.0	9.0	ISO 1924-3
		CD	8.5	8.5	
TEA	ft lb/ft ²	MD	31.5	33.6	ISO 1924-3
		CD	26.4	28.1	
TEA Index	J/g	MD	3.8	3.8	ISO 1924-3
		CD	3.2	3.2	
Tear	g	MD	155	165	ISO 1974
		CD	180	200	
Air Resistance	sec/100cc		10	10	ISO 5636-5
Cobb	g/m ² /min		30	30	ISO 535
Moisture	%		7.5	7.5	ISO 287

In effect from July 1, 2022

MD – Machine Direction CD – Cross Direction

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

