

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	10.5	11.4	ISO 1924-3
		CD	7.8	8.4	
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	J/m ²	MD	450	490	ISO 1924-3
		CD	385	410	
TEA Index	J/g	MD	3.8	3.8	ISO 1924-3
		CD	3.2	3.2	
Tear	mN	MD	1500	1620	ISO 1974
		CD	1800	1950	
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

Product specifications in effect as of January 1, 2022

MD – Machine Direction CD – Cross Direction

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



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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

Product specifications in effect as of January 1, 2022

MD – Machine Direction CD – Cross Direction

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

