

SPX® - Velocity Premier

Technical Data Sheet



End Uses

SPX-Velocity Premier high performance unbleached kraft paper has exceptionally high tensile energy absorption (TEA) in both the cross and machine direction. Combined with high porosity and very good runnability, this paper is ideal for pasted valve sacks for powdered material. Without the need for perforations, where faster filling and cleaner packaging is required, the result is a more cost effective packaging solution.

Fibre Source

SPX-Velocity Premier 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 Premier 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

Properties	Units				Test Method	
Basis Weight	gsm		80	85	90	ISO 536
Tensile	kN/m	MD	6.5	6.9	7.3	ISO 1924-3
		CD	5.6	6.0	6.3	
Tensile Index	Nm/g	MD	81	81	81	ISO 1924-3
		CD	70	70	70	
Stretch	%	MD	8.1	8.1	8.1	ISO 1924-3
		CD	8.6	8.6	8.6	
TEA	J/m ²	MD	275	290	305	ISO 1924-3
		CD	280	300	315	
TEA Index	J/g	MD	3.4	3.4	3.4	ISO 1924-3
		CD	3.5	3.5	3.5	
Tear	mN	MD	1080	1130	1215	ISO 1974
		CD	1080	1130	1215	
Porosity	Sec/100cc		5	5	5	ISO 5636-5
Cobb	g/m ² /min		30	30	30	ISO 535
Moisture	%		7.5	7.5	7.5	ISO 287

Product specifications in effect as of January 1, 2019

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		50	52	55	ISO 536
Tensile	lbs/in	MD	37.1	39.4	41.7	ISO 1924-3
		CD	32.0	34.3	36.0	
Tensile Index	Nm/g	MD	81	81	81	ISO 1924-3
		CD	70	70	70	
Stretch	%	MD	8.1	8.1	8.1	ISO 1924-3
		CD	8.6	8.6	8.6	
TEA	ft lb/ft ²	MD	18.8	19.9	20.2	ISO 1924-3
		CD	19.2	20.5	21.6	
TEA Index	J/g	MD	3.4	3.4	3.4	ISO 1924-3
		CD	3.5	3.5	3.5	
Tear	g	MD	110	115	125	ISO 1974
		CD	110	115	125	
Porosity	sec/100cc		5	5	5	ISO 5636-5
Cobb	g/m ² /min		30	30	30	ISO 535
Moisture	%		7.5	7.5	7.5	ISO 287

Product specifications in effect as of January 1, 2019

MD – Machine Direction CD – Cross Direction

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

