

# SPX® - Velocity

## Technical Data Sheet



### End Uses

SPX-Velocity high performance extensible unbleached 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

Properties	Units				Test Method	
Basis Weight	gsm		80	90	98	ISO 536
Tensile	kN/m	MD	6.5	7.4	8.0	ISO 1924-3
		CD	4.8	5.4	5.9	
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 <sup>2</sup>	MD	245	275	305	ISO 1924-3
		CD	255	290	315	
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	1175	1300	ISO 1974
		CD	1100	1275	1450	
Porosity	Sec/100cc		5	5	5	ISO 5636-5
Cobb	g/m <sup>2</sup> /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%



# SPX® - Velocity

## Technical Data Sheet



### End Uses

SPX-Velocity high performance extensible unbleached 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 Imperial

Properties	Units				Test Method	
Basis Weight	lbs/3000ft <sup>2</sup>		50	55	60	ISO 536
Tensile	lbs/in	MD	37.5	42.3	45.7	ISO 1924-3
		CD	27.4	30.8	33.7	
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 <sup>2</sup>	MD	16.8	18.8	20.9	ISO 1924-3
		CD	17.5	19.9	21.6	
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	135	ISO 1974
		CD	110	130	150	
Porosity	sec/100cc		5	5	5	ISO 5636-5
Cobb	g/m <sup>2</sup> /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%

