

### End Uses

SPX® an extensible high performance sack kraft paper has superior Tensile Energy Absorption (TEA) in both the machine and cross direction. SPX® has excellent runnability and a very desirable shade for best print results.

SPX® has been developed for the more demanding applications such as pasted valve sacks for cement and other building materials. The superior strength of this paper allows for reduced grammage and/or number of plies.

### 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		70	80	85	90	95	ISO 536
Tensile	kN/m	MD	6.2	7.1	7.6	8.0	8.5	ISO 1924-3
		CD	4.5	5.1	5.4	5.8	6.0	
Tensile Index	Nm/g	MD	89	89	89	89	88	ISO 1924-3
		CD	64	64	64	64	64	
Stretch	%	MD	6.8	6.8	6.8	6.8	6.8	ISO 1924-3
		CD	8.9	8.9	8.9	8.9	8.9	
TEA	J/m <sup>2</sup>	MD	220	250	265	280	295	ISO 1924-3
		CD	245	275	290	305	320	
TEA Index	J/g	MD	3.1	3.1	3.1	3.1	3.1	ISO 1924-3
		CD	3.4	3.4	3.4	3.4	3.4	
Tear	mN	MD	860	980	1020	1070	1160	ISO 1974
		CD	920	1060	1120	1170	1300	
Air Resistance	sec/100cc		15	15	15	15	15	ISO 5636-5
Cobb	g/m <sup>2</sup> /min		30	30	30	30	30	ISO 535
Moisture	%		7.5	7.5	7.5	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 <sup>2</sup>		43	50	52	55	58	ISO 536
Tensile	lbs/in	MD	35.4	40.5	43.4	45.7	48.5	ISO 1924-3
		CD	25.7	29.1	30.8	33.1	34.3	
Tensile Index	Nm/g	MD	89	89	89	89	89	ISO 1924-3
		CD	64	64	64	64	64	
Stretch	%	MD	6.8	6.8	6.8	6.8	6.8	ISO 1924-3
		CD	8.9	8.9	8.9	8.9	8.9	
TEA	ft lb/ft <sup>2</sup>	MD	15.1	17.1	18.2	19.2	20.2	ISO 1924-3
		CD	16.8	18.8	19.9	20.9	21.9	
TEA Index	J/g	MD	3.1	3.1	3.1	3.1	3.1	ISO 1924-3
		CD	3.4	3.4	3.4	3.4	3.4	
Tear	g	MD	85	90	100	110	120	ISO 1974
		CD	95	100	105	120	130	
Air Resistance	sec/100cc		15	15	15	15	15	ISO 5636-5
Cobb	g/m <sup>2</sup> /min		30	30	30	30	30	ISO 535
Moisture	%		7.5	7.5	7.5	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%

