

# SWS

## Technical Data Sheet



### End Uses

SWS high performance wet strength sack kraft paper has been developed for use in applications demanding high strength and superior runnability with potential exposure to moisture.

SWS is used in multiwall shipping sacks that require strength when wetted such as potatoes and other foodstuffs.

### 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.

### 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, KSA Kosher, ISEGA & SGS Food Contact. CKP forest management system is certified to CSA, PEFC Chain of Custody & ISO 14001 environment management.

### Typical Values SI

Properties	Units					Test Method	
Basis Weight	gsm		80	90	120	130	ISO 536
Tensile	kN/m	MD	8.6	9.7	13.0	14.1	ISO 1924-3
		CD	4.8	5.4	7.2	7.8	
Tensile Index	Nm/g	MD	108	108	108	108	ISO 1924-3
		CD	60	60	60	60	
Wet Tensile	Nm/m	MD	1.8	2.0	2.7	2.9	ISO 1924-3
		CD	1.0	1.2	1.5	1.7	
Stretch	%	MD	2.5	2.5	2.7	2.7	ISO 1924-3
		CD	8.4	8.4	8.4	8.4	
TEA	J/m <sup>2</sup>	MD	145	160	245	260	ISO 1924-3
		CD	255	285	365	390	
TEA Index	J/g	MD	1.8	1.8	2.0	2.0	ISO 1924-3
		CD	3.2	3.2	3.0	3.0	
Tear	mN	MD	970	1075	1520	1700	ISO 1974
		CD	860	1000	1620	1650	
Air Resistance	sec/100cc		15	15	15	15	ISO 5636-5
Cobb	g/m <sup>2</sup> /min		30	30	30	30	ISO 535
Moisture	%		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>		50	55	74	80	ISO 536
Tensile	lbs/in	MD	49.1	55.4	74.2	80.5	ISO 1924-3
		CD	27.4	30.8	41.1	44.5	
Tensile Index	kN/g	MD	108	108	108	108	ISO 1924-3
		CD	60	60	60	60	
Wet Tensile	Nm/m	MD	10.3	11.4	15.4	16.6	ISO 1924-3
		CD	5.7	6.6	8.6	9.4	
Stretch	%	MD	2.5	2.5	2.7	2.7	ISO 1924-3
		CD	8.4	8.4	8.4	8.4	
TEA	ft lb/ft <sup>2</sup>	MD	9.9	11.0	16.8	17.8	ISO 1924-3
		CD	17.5	19.5	25.0	26.7	
TEA Index	J/g	MD	1.8	1.8	2.0	2.0	ISO 1924-3
		CD	3.2	3.2	3.0	3.0	
Tear	g	MD	100	110	155	175	ISO 1974
		CD	90	100	165	170	
Air Resistance	sec/100cc		15	15	15	15	ISO 5636-5
Cobb	g/m <sup>2</sup> /min		30	30	30	30	ISO 535
Moisture	%		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%

