

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 ² | 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 ² /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 ² | | 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 ² | 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 ² /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%

