

Kraft Paper Technical Data Sheet

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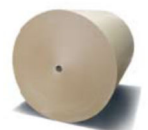


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End Uses

SPK high performance kraft paper has been developed for use in applications demanding high strength and superior runnability. SPK is known for its exceptional quality and lighter shade; a preferred choice for many converters.

SPK is used in sewn, pinch and even valve sacks; flour, sugar, seed, feed, potatoes, air filled dunnage bags and other specialty uses.

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 | | 75 | 80 | 90 | 98 | 105 | 115 | 145 | ISO 536 |
| Tensile | kN/m | MD | 7.9 | 8.4 | 9.5 | 10.3 | 11.1 | 12.1 | 15.2 | ISO 1924-3 |
| | | CD | 4.5 | 4.8 | 5.4 | 5.9 | 6.2 | 6.4 | 7.8 | |
| Tensile Index | Nm/g | MD | 105 | 105 | 105 | 105 | 105 | 105 | 105 | ISO 1924-3 |
| | | CD | 60 | 60 | 60 | 60 | 60 | 56 | 54 | |
| Stretch | % | MD | 2.5 | 2.5 | 2.7 | 2.7 | 2.8 | 2.8 | 2.8 | ISO 1924-3 |
| | | CD | 8.5 | 8.5 | 8.5 | 8.5 | 8.0 | 8.0 | 8.0 | |
| TEA | J/m ² | MD | 135 | 140 | 165 | 185 | 210 | 235 | 285 | ISO 1924-3 |
| | | CD | 235 | 250 | 280 | 300 | 315 | 340 | 400 | |
| TEA Index | J/g | MD | 1.8 | 1.8 | 1.8 | 1.8 | 2.0 | 2.0 | 2.0 | ISO 1924-3 |
| | | CD | 3.1 | 3.1 | 3.1 | 3.1 | 3.0 | 3.0 | 2.8 | |
| Tear | mN | MD | 970 | 1040 | 1170 | 1260 | 1400 | 1500 | 1850 | ISO 1974 |
| | | CD | 1000 | 1100 | 1220 | 1320 | 1490 | 1640 | 2100 | |
| Air Resistance | sec/100cc | | 15 | 15 | 15 | 15 | 15 | 15 | 15 | ISO 5636-5 |
| Cobb | g/m ² /min | | 30 | 30 | 30 | 30 | 30 | 30 | 30 | ISO 535 |
| Moisture | % | | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | ISO 287 |

Product specifications in effect as of January 1, 2021

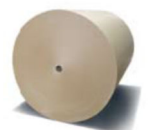
MD – Machine Direction CD – Cross Direction

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 | | 46 | 50 | 55 | 60 | 65 | 70 | 90 | ISO 536 |
| Tensile | lbs/in | MD | 45.1 | 48.0 | 54.0 | 58.8 | 63.1 | 69.1 | 86.8 | ISO 1924-3 |
| | | CD | 25.7 | 27.4 | 30.8 | 33.4 | 35.4 | 36.5 | 44.5 | |
| Tensile Index | Nm/g | MD | 105 | 105 | 105 | 105 | 105 | 105 | 105 | ISO 1924-3 |
| | | CD | 60 | 60 | 60 | 60 | 60 | 56 | 54 | |
| Stretch | % | MD | 2.5 | 2.5 | 2.7 | 2.7 | 2.8 | 2.8 | 2.8 | ISO 1924-3 |
| | | CD | 8.5 | 8.5 | 8.5 | 8.5 | 8.0 | 8.0 | 8.0 | |
| TEA | ft lb/ft ² | MD | 9.2 | 9.6 | 11.3 | 12.7 | 14.4 | 16.1 | 19.5 | ISO 1924-3 |
| | | CD | 16.1 | 17.1 | 19.2 | 20.5 | 21.6 | 23.3 | 27.4 | |
| TEA Index | J/g | MD | 1.8 | 1.8 | 1.8 | 1.8 | 2.0 | 2.0 | 2.0 | ISO 1924-3 |
| | | CD | 3.1 | 3.1 | 3.1 | 3.1 | 3.0 | 3.0 | 2.8 | |
| Tear | g | MD | 100 | 105 | 120 | 130 | 145 | 155 | 190 | ISO 1974 |
| | | CD | 105 | 110 | 125 | 135 | 150 | 165 | 215 | |
| Air Resistance | sec/100cc | | 15 | 15 | 15 | 15 | 15 | 15 | 15 | ISO 5636-5 |
| Cobb | g/m ² /min | | 30 | 30 | 30 | 30 | 30 | 30 | 30 | ISO 535 |
| Moisture | % | | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | ISO 287 |

Product specifications in effect as of January 1, 2021

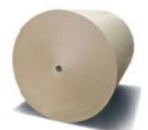
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Paper Test Conditions: Temperature = 73.4+/-1.8°F, Relative Humidity = 50%+/-2%

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SPX®

Technical Data Sheet



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 ² | 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 ² /min | | 30 | 30 | 30 | 30 | 30 | ISO 535 |
| Moisture | % | | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | ISO 287 |

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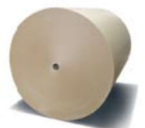
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Typical Values Imperial

| Properties | Units | | | | | | Test Method | |
|----------------|-------------------------|----|------|------|------|------|-------------|------------|
| Basis Weight | lbs/3000ft ² | | 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 ² | 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 ² /min | | 30 | 30 | 30 | 30 | 30 | ISO 535 |
| Moisture | % | | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | ISO 287 |

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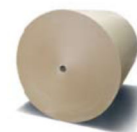
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SPX® - Velocity

Technical Data Sheet



End Uses

SPX-Velocity extensible high porous sack kraft paper is characterized by high strength in both the machine and cross direction with a high degree of air permeability.

The high porous paper allows for quick filling of the product without perforations, a cleaner dust-free environment and a cost effective packaging solutions.

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.

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Typical Values SI

| Properties | Units | | | | | Test Method | |
|----------------|-----------------------|----|-----|------|------|-------------|------------|
| Basis Weight | gsm | | 70 | 80 | 90 | 98 | ISO 536 |
| Tensile | kN/m | MD | 5.8 | 6.6 | 7.4 | 8.0 | ISO 1924-3 |
| | | CD | 4.2 | 4.8 | 5.4 | 6.0 | |
| Tensile Index | Nm/g | MD | 82 | 82 | 82 | 82 | ISO 1924-3 |
| | | CD | 60 | 60 | 60 | 60 | |
| Stretch | % | MD | 6.8 | 6.8 | 6.8 | 6.8 | ISO 1924-3 |
| | | CD | 8.9 | 8.9 | 8.9 | 8.9 | |
| TEA | J/m ² | MD | 210 | 240 | 270 | 290 | ISO 1924-3 |
| | | CD | 230 | 260 | 290 | 310 | |
| TEA Index | J/g | MD | 3.0 | 3.0 | 3.0 | 3.0 | ISO 1924-3 |
| | | CD | 3.3 | 3.3 | 3.2 | 3.2 | |
| Tear | mN | MD | 900 | 1000 | 1130 | 1220 | ISO 1974 |
| | | CD | 945 | 1100 | 1230 | 1350 | |
| Air Resistance | sec/100cc | | 5 | 5 | 5 | 5 | 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 |

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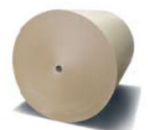
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Typical Values Imperial

| Properties | Units | | | | | Test Method | |
|----------------|-------------------------|----|------|------|------|-------------|------------|
| Basis Weight | lbs/3000ft ² | | 43 | 50 | 55 | 60 | ISO 536 |
| Tensile | lbs/in | MD | 33.1 | 37.7 | 42.3 | 45.7 | ISO 1924-3 |
| | | CD | 24.0 | 27.4 | 30.8 | 34.3 | |
| Tensile Index | Nm/g | MD | 82 | 82 | 82 | 82 | ISO 1924-3 |
| | | CD | 60 | 60 | 60 | 60 | |
| Stretch | % | MD | 6.8 | 6.8 | 6.8 | 6.8 | ISO 1924-3 |
| | | CD | 8.9 | 8.9 | 8.9 | 8.9 | |
| TEA | ft lb/ft ² | MD | 14.4 | 16.4 | 18.5 | 19.9 | ISO 1924-3 |
| | | CD | 15.8 | 17.8 | 19.9 | 21.2 | |
| TEA Index | J/g | MD | 3.0 | 3.0 | 3.0 | 3.0 | ISO 1924-3 |
| | | CD | 3.3 | 3.3 | 3.2 | 3.2 | |
| Tear | g | MD | 90 | 105 | 115 | 125 | ISO 1974 |
| | | CD | 95 | 110 | 125 | 140 | |
| Air Resistance | sec/100cc | | 5 | 5 | 5 | 5 | 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 |

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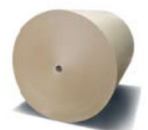
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SPX® - Velocity Premier

Technical Data Sheet



End Uses

SPX-Velocity Premier fully-extensible high porous sack kraft paper has exceptionally high balanced Tensile Energy Absorption (TEA) in both the cross and machine direction.

Combined with high air permeability and excellent runnability, this high porous paper allows for quick filling of the product without perforations, a cleaner dust-free environment and a cost effective packaging solutions.

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.

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Typical Values SI

| Properties | Units | | | | | Test Method | |
|----------------|-----------------------|----|-----|------|------|-------------|------------|
| Basis Weight | gsm | | 70 | 80 | 85 | 90 | ISO 536 |
| Tensile | kN/m | MD | 5.7 | 6.4 | 6.9 | 7.2 | ISO 1924-3 |
| | | CD | 4.7 | 5.4 | 5.9 | 6.2 | |
| Tensile Index | Nm/g | MD | 80 | 80 | 80 | 80 | ISO 1924-3 |
| | | CD | 68 | 68 | 68 | 68 | |
| Stretch | % | MD | 8.0 | 8.1 | 8.1 | 8.1 | ISO 1924-3 |
| | | CD | 8.6 | 8.6 | 8.6 | 8.6 | |
| TEA | J/m ² | MD | 235 | 270 | 285 | 305 | ISO 1924-3 |
| | | CD | 240 | 275 | 290 | 305 | |
| TEA Index | J/g | MD | 3.4 | 3.4 | 3.4 | 3.4 | ISO 1924-3 |
| | | CD | 3.4 | 3.4 | 3.4 | 3.4 | |
| Tear | mN | MD | 940 | 1020 | 1100 | 1170 | ISO 1974 |
| | | CD | 960 | 1100 | 1150 | 1220 | |
| Air Resistance | sec/100cc | | 5 | 5 | 5 | 5 | 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 |

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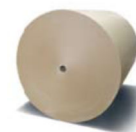
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SPX® - Velocity Premier

Technical Data Sheet



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SPX-Velocity Premier fully-extensible high porous kraft sack paper has exceptionally high balanced Tensile Energy Absorption (TEA) in both the cross and machine direction.

Combined with high air permeability and excellent runnability, this high porous paper allows for quick filling of the product without perforations, a cleaner dust-free environment and a cost effective packaging solutions.

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.

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Typical Values Imperial

| Properties | Units | | | | | Test Method | |
|----------------|-------------------------|----|------|------|------|-------------|------------|
| Basis Weight | lbs/3000ft ² | | 43 | 50 | 52 | 55 | ISO 536 |
| Tensile | lbs/in | MD | 32.5 | 36.5 | 39.4 | 41.1 | ISO 1924-3 |
| | | CD | 26.8 | 30.8 | 33.7 | 35.4 | |
| Tensile Index | Nm/g | MD | 80 | 80 | 80 | 80 | ISO 1924-3 |
| | | CD | 68 | 68 | 68 | 68 | |
| Stretch | % | MD | 8.0 | 8.1 | 8.1 | 8.1 | ISO 1924-3 |
| | | CD | 8.6 | 8.6 | 8.6 | 8.6 | |
| TEA | ft lb/ft ² | MD | 16.1 | 18.5 | 19.5 | 20.9 | ISO 1924-3 |
| | | CD | 16.4 | 18.8 | 19.9 | 20.9 | |
| TEA Index | J/g | MD | 3.4 | 3.4 | 3.4 | 3.4 | ISO 1924-3 |
| | | CD | 3.4 | 3.4 | 3.4 | 3.4 | |
| Tear | g | MD | 95 | 105 | 115 | 120 | ISO 1974 |
| | | CD | 100 | 110 | 120 | 125 | |
| Air Resistance | sec/100cc | | 5 | 5 | 5 | 5 | 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 |

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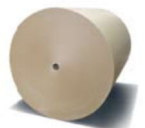
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SPX® - Vector

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End Uses

SPX-Vector extensible high performance sack kraft paper has superior strength and stiffness with a high degree of air permeability.

SPX-Vector has been developed for single-ply valve sacks in demanding quick filling applications. The exceptional strength of this paper allows for reduced paper content per sack, which offers a more cost effective packaging solution. Generally sacks made from Vector do not require perforations.

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 | 120 | 130 | ISO 536 | |
| Tensile | kN/m | MD CD | 10.6 7.8 | 11.4 8.5 | ISO 1924-3 |
| Tensile Index | Nm/g | MD CD | 88 65 | 88 65 | ISO 1924-3 |
| Stretch | % | MD CD | 9.0 8.5 | 9.0 8.5 | ISO 1924-3 |
| TEA | J/m ² | MD CD | 460 385 | 490 410 | ISO 1924-3 |
| TEA Index | J/g | MD CD | 3.8 3.2 | 3.8 3.2 | ISO 1924-3 |
| Tear | mN | MD CD | 1500 1800 | 1620 1950 | ISO 1974 |
| Air Resistance Cobb | sec/100cc g/m ² /min | | 10 30 | 10 30 | ISO 5636-5 ISO 535 |
| Moisture | % | | 7.5 | 7.5 | ISO 287 |

Product specifications in effect as of January 1, 2021

MD – Machine Direction CD – Cross Direction

Paper Test Conditions: Temperature = 23+/-1°C, Relative Humidity = 50%+/-2%

Approvals

CKP paper is produced in compliance with FDA CONEG, and BfR food packaging requirements.

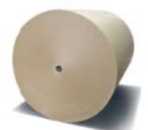
Certification

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.

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SPX® - Vector

Technical Data Sheet



End Uses

SPX-Vector extensible high performance sack kraft paper has superior strength and stiffness with a high degree of air permeability.

SPX-Vector has been developed for single-ply valve sacks in demanding quick filling applications. The exceptional strength of this paper allows for reduced paper content per sack, which offers a more cost effective packaging solution. Generally sacks made from Vector do not require perforations.

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 Imperial

| Properties | Units | | | | Test Method |
|----------------|-------------------------|----|------|------|-------------|
| Basis Weight | lbs/3000ft ² | | 74 | 80 | ISO 536 |
| Tensile | lbs/in | MD | 60.5 | 65.1 | ISO 1924-3 |
| | | CD | 44.5 | 48.5 | |
| Tensile Index | Nm/g | MD | 88 | 88 | ISO 1924-3 |
| | | CD | 65 | 65 | |
| Stretch | % | MD | 9.0 | 9.0 | ISO 1924-3 |
| | | CD | 8.5 | 8.5 | |
| TEA | ft lb/ft ² | MD | 31.5 | 33.6 | ISO 1924-3 |
| | | CD | 26.4 | 28.1 | |
| TEA Index | J/g | MD | 3.8 | 3.8 | ISO 1924-3 |
| | | CD | 3.2 | 3.2 | |
| Tear | g | MD | 155 | 165 | ISO 1974 |
| | | CD | 180 | 200 | |
| Air Resistance | sec/100cc | | 10 | 10 | ISO 5636-5 |
| Cobb | g/m ² /min | | 30 | 30 | ISO 535 |
| Moisture | % | | 7.5 | 7.5 | ISO 287 |

Product specifications in effect as of January, 2021

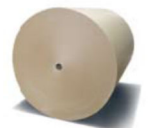
MD – Machine Direction CD – Cross Direction

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

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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, 2021

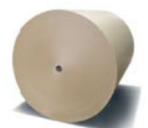
MD – Machine Direction CD – Cross Direction

Paper Test Conditions: Temperature = 23+/-1°C, Relative Humidity = 50%+/-2%

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SWS

Technical Data Sheet



End Uses

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Fibre Source

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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 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, 2021

MD – Machine Direction CD – Cross Direction

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

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