

NBSK Karlsborg pulp

Nordic Bleached Softwood Kraft Pulp

Production unit: Karlsborg

Material

Billerud NBSK Karlsborg is a long-fibre pulp produced from pine and spruce harvested in the northern part of Sweden. Cold growing environment results in long, slender and flexible fibres with low need for refining, excellent bonding properties, density and high tensile strength. NBSK Karlsborg is available as FSC® and PEFC certified.

End-use applications

tissue papers, packaging papers, specialty applications

Approvals

NBSK Karlsborg is produced in compliance with BfR and FDA for food contact as well as approved for Ecolabel and Nordic Ecolabel.

Certification

Karlsborg mill is certified in accordance with ISO 9001, ISO 14001, ISO 50001, FSC® CoC (FSC-C020000) and PEFC CoC (PEFC/05-33-136)

Chemical and physical properties

| Property | Unit | Average | Method |
|--------------|---------------------|-----------|-----------------|
| Brightness | % | 89 | ISO 2470 |
| Impurities | mm ² /kg | 2 | ISO 5350 |
| Ash content | % | 0.15 | ISO 1762 |
| Extractives | % | < 0.05 | ISO 14453 |
| Fibre length | mm | 1.9 – 2.0 | FS5 ISO 16065-2 |
| Coarseness | mg/m | 0.180 | FS5 ISO 16065-2 |

| Property | Unit | | | | | | Method |
|------------------|------------------------|-----|------|------|------|-------|---------------|
| Beating | PFI-revolutions | 0 | 1000 | 2500 | 6500 | 10000 | ISO 5264-2 |
| Drainage | SR | 15 | 17 | 21 | 37 | 53 | ISO 5267-1 |
| Tensile index | kNm/kg | 31 | 64 | 81 | 97 | 103 | ISO 1924-3 |
| Tear index | Nm ² /kg | 20 | 14 | 11 | 9 | 8 | ISO 1974 |
| Burst index | kPa m ² /kg | 2.2 | 4.8 | 6.2 | 7.5 | 7.8 | ISO 2758 |
| Density | kg/m ² | 604 | 693 | 737 | 782 | 802 | ISO 534: 2011 |
| Light scat coeff | m ² /kg | 31 | 23 | 20 | 16 | 15 | ISO 9416 |

| Dimensions | Unit | Bale | Bale Unit |
|------------|------|------|-----------|
| Weight | kg | 200 | 1600 |
| Height | mm | 425 | 1700 |
| Length | mm | 850 | 850 |
| Width | mm | 600 | 1200 |