



BillerudKorsnäs NBSK Karlsborg is a long-fibre pulp produced from pine and spruce harvested in the northern part of Sweden. These slow-growing trees have long, slender and thin-walled fibres. This flexible fibre is easy to refine and provides excellent bonding, resulting in a high tensile strength at low refining energy consumption. NBSK Karlsborg is available as FSC® and PEFC™ certified.

**End-use applications:** *tissue papers, packaging papers, specialty applications*

### Chemical and physical properties

Property	Unit	Average	Method
Brightness	%	89	ISO 2470
Impurities	mm <sup>2</sup> /kg	2	ISO 5350
Ash content	%	0.15	ISO 1762
Extractives	%	<0.05	SCAN-CM 49:03
Fibre length	mm	1.9 – 2.1	Kajaani FS-300
Coarseness	mg/m	0.170	Kajaani FS-300

Property	Unit						Method
Beating	Revolutio	0	1000	2500	6500	10000	ISO 5264-2
Drainage resistance	SR	15	17	21	38	51	ISO 5267-1
Tensile index	kNm/kg	34	70	85	100	110	ISO 1924-3
Tear index	Nm <sup>2</sup> /kg	22	15	12	10	8.5	ISO 1974
Burst index	MN/kg	2.4	5.1	6.5	7.8	8.2	ISO 2758
Density	kg/m <sup>3</sup>	610	700	730	770	800	ISO 534
Light scattering coefficient	m <sup>2</sup> /kg	33	24	20	17	15	ISO 9416

Dimensions	Unit	Bale	Bale Unit	Management Systems & Certifications	
Weight	kg	200	1600	Quality	ISO 9001
Height	mm	425	1700	Environmental	ISO 14001
Length	mm	850	850	FSC® Chain of Custody	FSC® CoC
Width	mm	600	1200	PEFC™ Chain of Custody	PEFC™ CoC

