

Unbleached Softwood Kraft Pulp Grade NSK – O For Fiber Cement Application

Technical Data Sheet

General Description

Product: Unbleached Softwood Kraft Pulp NSK-0
Brand Name: Solombala
Wood Species: Spruce 70 %, Pine 30 %.

Typical Test Results

	Unit	Average	Max	Min	Method
Kappa Number	Nº	30	33	27	ISO 302
Shives	%	0,08	0,15		Wennberg

Response to Valley laboratory refining (ISO 5264/1)

Refining curve:

	Unit	Typical Values						Method
		0	15	30	45	60	90	
Beating time	min	0	15	30	45	60	90	ISO 5267/1
SR Number	⁰ SR	13	16	20,5	27,0	38,0	67,0	ISO 1924/2
Tensile Index	Nm/g	40,1	78,0	96,5	107,9	111,8	113,9	ISO 2758
Burst Index	kPa*m ² /g	2,24	5,13	6,90	7,54	7,99	8,23	ISO 1974
Tear Index	mN*m ² /g	19,7	14,7	12,8	12,1	11,7	10,9	ISO 5270
Density	g/cm ³	0,60	0,67	0,70	0,72	0,75	0,77	ISO 1924/2
Breaking Length	m	3300	4800	8800	9400	10600	11000	

Testing conditions: 23 °C, 50 % RH. Production of the development types by ISO 5269/1
The models were testing in Keskus Central Laboratory (Finland).

Zero Span Tensile

	Unit	Average	Max	Min
Wet Zero Span (13 ⁰ SR)	km	15,0	15,5	14,5

Fibre Length

	Unit	Average	Max	Min	Method
L. Weighted avg.	mm	2,68	2,72	2,64	Kajaani FS 200
Coarseness	mg/100 m	17,3	17,7	17,0	



Chemical Characteristics

	Unit	Average	Max	Min	Method
Ash	%	0,9	--	--	ISO 1762
Conductivity	mS/m	4,5	5,5	--	ISO 6587
Viscosity	cm ³ /g	950	--	900	ISO 5351/1
pH-cold water extr.		8,5	9,0	7,0	ISO 6588
Moisture	%	18,0	23,0		

Optical properties

	Unit	Average	Max	Min
Brightness	%	28	--	27

Bale and unit dimensions

Average bale dimensions		Average unit dimensions	
Length (cm)	80	Length (cm)	80
Width (cm)	60	Width (cm)	120
Height (cm)	46	Height (cm)	138
Weight (kg)	200	Weight (kg)	1200
Six bales in unit			

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