

# KWIDZYN SW PULP

HIGH BRIGHTNESS | SUPERIOR TENSILE AND TEAR STRENGTH



Mill  
MM Kwidzyn, Poland

Last update of values 01/08/2024



KWIDZYN SOFTWOOD PULP is an ECF and O<sub>2</sub>-bleached, northern pine kraft pulp. The high pine grade has tensile strength and cleanliness, making it well suited for tissue production, as well as printing and writing paper and specialty grades.

**Brightness\***  
ISO 2470-1



**Dryness\***  
ISO 638



[not less than 77%]

\* Mill test conducted at the time of production

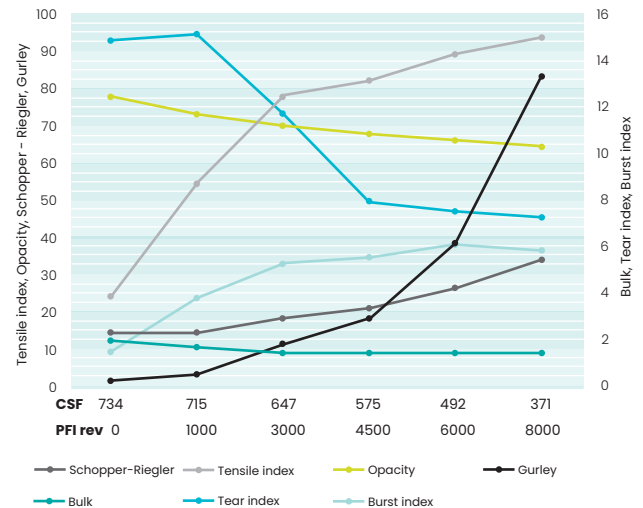
## 1. PFI – Refining and Handsheet Properties [handsheets based on ISO 5269-2]

Parameter	Value						Test standard
	0	1000	3000	4500	6000	8000	
<b>PFI Revolutions</b>	<b>0</b>	<b>1000</b>	<b>3000</b>	<b>4500</b>	<b>6000</b>	<b>8000</b>	ISO 5264-2
<b>Drainability Schopper – Riegler, [°SR]</b>	14	15	18	21	26	34	ISO 5267-1
<b>Canadian Standard Freeness, [CSF]</b>	734	715	647	575	492	371	ISO 5267-2
<b>Bulk, [cm<sup>3</sup>/g]</b>	2,00	1,68	1,50	1,46	1,42	1,39	ISO 534
<b>Tensile index, [N·m/g]</b>	24,4	54,6	77,8	82,0	89,2	93,9	ISO 1924-2
<b>Tear index, [mN·m<sup>2</sup>/g]</b>	14,9	15,2	11,7	7,93	7,44	7,25	ISO 1974
<b>Burst index, [kPa·m<sup>2</sup>/g]</b>	1,52	3,77	5,28	5,57	6,04	5,88	ISO 2758
<b>Opacity, [%]</b>	77,8	73,2	69,3	67,4	66,0	64,8	ISO 2471
<b>Air permeability – Gurley, [sec/100mL]</b>	1,4	3,3	10,5	18,5	38,0	82,8	ISO 5636-5

## 2. Pulp and Fiber Properties

Parameter	Value	Test standard
ISO Brightness*, [%]	89,0	ISO 2470-1
Viscosity (CED), [ml/g]	634	ISO 5351
Dirt*, [ppm]	≤ 1.4 [max.3,0]	TAPPI T213
Moisture*, [%]	20	ISO 638
Fibre length (LWAFI)*, [mm]	1,9	ISO 16065-1 (FQA)
Coarseness*, [mg/100m]	16	ISO 23713 (FQA)
DCM Extract*, [%]	< 0.04	TAPPI T204
Ash Content (525°C)*, [%]	≤ 0.3	ISO 1762

## 3. Refining Response



\*Mill test conducted at the time of production. The data represented here is typical and is based on long term averages. The data is not intended to be used as specification and should not be treated

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## 4. Bale and Unit Characteristics

	Bale	Unit
[A] Length, <b>mm</b>	820 (+/- 15)	1200
[B] Width, <b>mm</b>	600 (+/- 15)	820
[C] Height, <b>mm</b>	450 (+/- 50)	1350
Weight, <b>kg</b>	200	1200

## 5. Packaging details

### PULP FORM

- Dried sheets

### BALE

- Pet tape (2 x length + 2 x width)

### UNIT

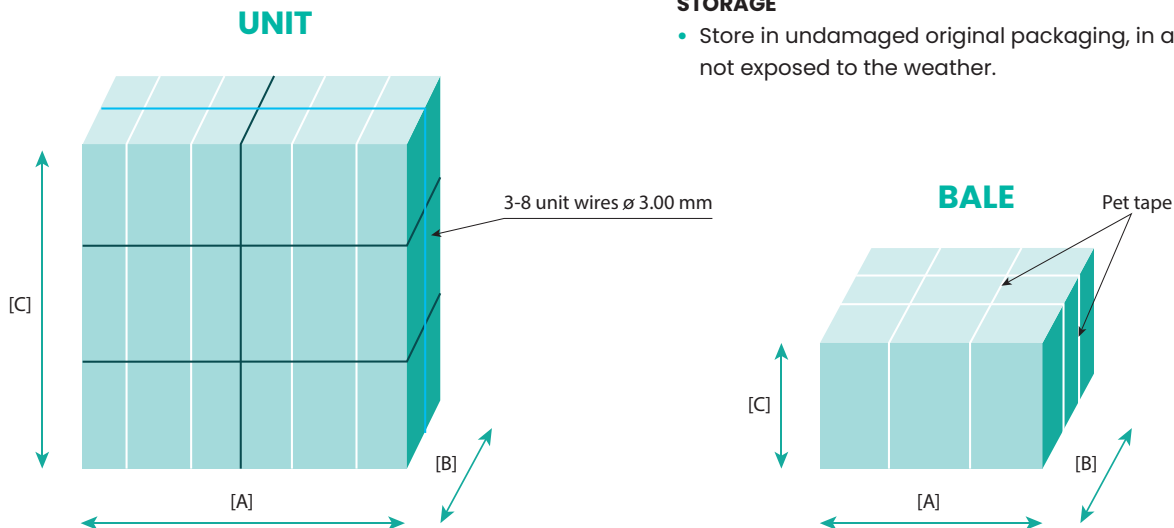
- 3-6 unit wires  $\varnothing$  3.0 mm

### SIGNATURE on the wrapper

- 3 digit batch number (from 0001 to 999) and 3 digit bale number (from 001 to 360);
- Mass type: BL-SW-PULP-ECF production date (day - month - year);
- Producer, time (hour, minutes, seconds).

### STORAGE

- Store in undamaged original packaging, in a dry place not exposed to the weather.



## 6. Mill Certificates

- Forest management
  - PEFC [CU-PEFC-COC-837028](#)
  - FSC® [SGSCH-COC-002560](#)
- Environmental manag. [ISO 14001](#)
- Quality management [ISO 9001](#)
- Food safety management [ISO 22000](#)
- Energy management [ISO 50001](#)
- Health & Safety [ISO 45001](#)
- Listed on EU Ecolabel's lists of assessed pulps <https://eupulps.net/>

## 7. Mill Information

### MM Kwidzyn (Poland) offers the following features:

- A leading European manufacturer of premium virgin fiber cardboard, packaging kraft papers and uncoated fine papers
- Operates with four best-in-class cartonboard and paper machines and a fully integrated pulp mill
- Consistent, top quality of products obtained thanks to superior tailor-made pulp produced on site
- Experienced, innovative production team and professional technical support