



Quinnesec[®] Hi-Maple Pulp

PREMIUM QUALITY FROM AN INDUSTRY LEADER.

Billerud is the first choice for Northern Bleached Hardwood Kraft—top quality, produced in North America, backed by Billerud’s industry-leading expertise and service.

UNIFORMITY IN EVERY SHIPMENT.

Billerud produces a high quality Northern Bleached Hardwood Kraft (NBHK) Maple pulp at its Quinnesec, Michigan mill. A large portion of this production is used by the mill in the manufacture of coated freesheet paper grades. The remaining production is sold as Quinnesec Hi-Maple Northern Hardwood Pulp.

At Quinnesec, uniformity is built into every shipment. Careful control of the species mix for Quinnesec Hi-Maple Northern Hardwood Pulp, along with the highly automated process and the mill’s culture of manufacturing the product right the first time yields a pulp with remarkable consistency.

ATTRIBUTES OF THE QUINNESEC MILL:

- A US EPA Benchmark Site for developing new regulations (e.g., maximum achievable control technology – MACT)
- ISO 14001 certified and receives an annual independent audit of its environmental management system
- Earned Star status in OSHA’s Voluntary Protection Program, the state’s highest recognition of workplace health and safety
- CoC certification and recycled options available

APPLICATIONS:

- Premium writing, text and cover
- Uncoated printing and writing papers
- Coated freesheet papers
- Technical and specialty papers
- Tissue papers

TYPICAL CHARACTERISTICS:

Physical Properties	Target	Method
Brightness (ISO), %	90.0	TAPPI T525
Dirt Count, ppm	0.2 typ., 2.0 max.	TAPPI T213
Viscosity, cps	32.5	TAPPI T230
Moisture, % Air-Dry	97.0	TAPPI T210
Ash Content, %	0.53	TAPPI T211
Extractives (DMC), %	0.12	TAPPI T204

Species Mix	Target
Maple	75%
Birch	8%
Beech	4%
Other Mixed Hardwoods	13%
Softwood	0%

Fiber Morphology	Target	Method
Fiber Length, mm	0.61 ISO	16065-2
Coarseness, mg/m	0.070	
Population, MM fibers/gram	28.5	
Fines (Britt), %	12.3	TAPPI T261

Bale Information	
Dimensions (LxWxH)	32" x 32" x 16" (82 x 82 x 41 cm)
Typical Weight	580 lbs. (263 kg)
Wrap Type	SBSK, one-piece
Number of Wires	0, 2 or 3
Wireless Bale Type	Glued
Bales per Unit (if unitized)	6 (2 wide x 3 high)

Process Information	
Bleaching Process Type	Enhanced ECF
Bleaching Sequence	O-D-E _o +p-D-D
Environmental Certification	ISO 14001
Forestry Certifications	FSC [®] C014984, SFI [®] , PEFC/29-31-92

REFINING CHARACTERIZATION:

TAPPI T200/T220

PFI Revolutions		0	200	500	1000	1500
CSF	ml	470	364	331	304	290
Tensile Index	N*m/g	26.6	35.0	38.6	42.6	44.2
Tear Index	mN*m ² /g	3.4	4.6	5.1	5.6	5.7
Breaking Length	km	2.7	3.6	3.9	4.3	4.5
Fold Endurance Index		1.3	3.2	4.3	5.9	6.8
Bulk	cm ³ /g	1.9	1.8	1.8	1.7	1.7
Opacity	%	83.4	82.3	81.9	81.4	81.1

FOR ADDITIONAL INFORMATION:

Contact your Billerud
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billerud.com

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