



**DAISHOWA-MARUBENI
INTERNATIONAL LTD.**

Peace River Pulp Division

in harmony with nature



Bleached Aspen Hardwood Kraft

Grade Profile

Peace River Aspen Hardwood Kraft pulp has short, flat, uniform, ribbon-like fibres and thin walled, low proportion by weight non interfering vessel elements. These attributes uniquely qualify the pulp to be used in a wide variety of applications including coated base stock and uncoated papers, tissue, photographic papers, technical and other specialty papers.

Response to PFI Refining and Handsheet Data*

		PFI Revolutions	0	500	1500	5000
Canadian Standard Freeness	ml		466	396	340	254
Opacity	%		79.0	77.0	76.0	75.0
Bulk	cm ³ / g		1.63	1.55	1.49	1.44
Burst Index	kN / g		1.1	1.8	2.2	2.8
Multi ply Tear Index	mN.m ² / g		4.4	5.6	6.2	6.7
Single ply tear index	mN.m ² / g		3.2	4.4	5.0	5.5
Tensile	kNm / kg		27.2	36.7	43.5	50.9
Breaking Length	km		2.8	3.7	4.4	5.2
Stiffness	mNm / kg		5.2	6.0	6.4	6.9
Internal Bond	J / m ²		101	131	148	178

* Typical Characteristics

Pulp Characteristics

Pulp Sheet Properties

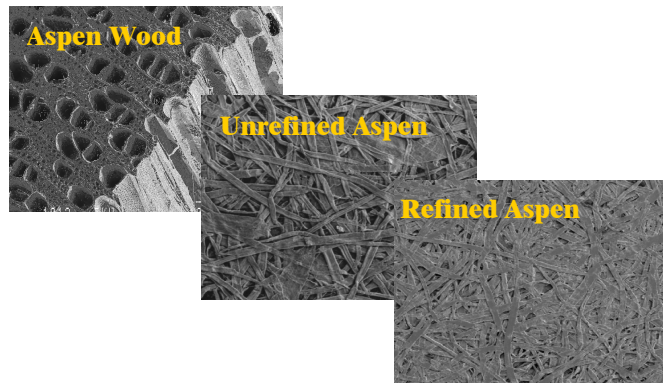
Brightness (ISO)	> 88 %
Dirt Specks (ISO)	< 5.0 mm ² / m ² (ppm)
Moisture (Air Dry)	96 ± 2 %

Chemical Properties

Ash Content	0.55%
Extractives (Acetone)	0.35%
Viscosity (CED)	>18 CPS

Fibre Properties

Species	Aspen
Fibre length	0.73 mm
Fibre width	27.4 µm
Fibres per gram	14 million
Fibre coarseness	0.10 mg / m



Revised Feb 17, 2009

Bale Dimensions

Size

Length	81.3 cm (32 in.)
Width	81.3 cm (32 in.)
Height	40.6 cm (16 in.)

Mass

Weight	261-268 kg (575-590 lb.)
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DAISHOWA-MARUBENI
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Peace River Pulp Division

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FSC Chain of Custody Certification Registration Code: KF-COC-001020
FSC Controlled Wood Certification Registration Code: KF-CW-001020
Quality Management System ISO 9001:2000 Certification No.: CERT-0031684