



J.D. IRVING, LIMITED

IRVING PULP AND PAPER

PRODUCT SPECIFICATIONS - January 2015

World Class Pulp Quality-World First Innovation for the Environment

Irving Pulp and Paper specializes in fibres for premium tissue and paper products, supplying Maple, Mixed Hardwood, and NBSK grades to customers all over the world. Shipping by rail, truck, or ocean service ensures flexibility and cost-effective delivery. Warehouse managed-inventory can support a range of manufacturing needs on a just-in-time basis.

Softwood Kraft Pulp

Typical Properties (includes ± 2 standard deviations) —Oxygen Delignified, Elemental Chlorine-Free Softwood Kraft Pulp

DESCRIPTION				
ISO BRIGHTNESS	%	89.2 ± 2.0		
*TAPPI DIRT COUNT (based on TAPPI. Includes all particles >=0.1mm)	PPM	0.6 ± 0.6		
AIR DRY	%	90.2 ± 2.6		
INTRINSIC VISCOSITY	cm ³ /g	748 ± 49	0.5% CED cPs	15.8 ± 2.4
INITIAL FREENESS	(°SR)	19 ± 2	CSF (ml)	612 ± 34
INITIAL TEAR FACTOR	mN m ² /g	19 ± 4	100 gf.m ² /g	196 ± 42
INITIAL TENSILE	m	5300 ± 1040		
INITIAL BURST FACTOR	kPa m ² /g	3.4 ± 1.0	(gf.cm ²)/(g/m ²)	35 ± 10
INITIAL BULK	cm ³ /g	1.7 ± 0.2		
pH		6.4 ± 0.2		
LENGTH WEIGHTED AVERAGE FIBRE LENGTH	mm	2.06 ± 0.16		
LENGTH WEIGHTED AVERAGE FINES	%	2.21 ± 0.56		

TYPICAL FIBRE COMPOSITION

BLACK & WHITE SPRUCE	%	45 ± 14
BALSAM FIR	%	34 ± 16
PINE	%	19 ± 16

Bale Specifications		Wrapper Specifications	
Bale Weight	525-535 lbs	Sheet Size	52" L x 54.5" W x 30" H
Bale Dimensions	32" L x 32" W x 17" H	Sheet Thickness	3.2 mm
Unitized Stack	8 bales	Wrapper Pallet	1 ADMT

MILL SITE ADDRESS:
408 Mill Street, P.O. Box 3007
Saint John, New Brunswick
Canada, E2L 5B6
Tel: (506) 635-6666

SALES OFFICE ADDRESS:
300 Union Street, P.O. Box 5666
Saint John, New Brunswick
Canada, E5C 2K4
Tel: (506) 632-5102
Fax: (506) 633-4021
E-mail: rees.sharon@jdirving.com



Irving Pulp and Paper is the first pulp mill in the world to apply reverse osmosis. An award winning pollution prevention technology





J.D. IRVING, LIMITED

IRVING PULP AND PAPER

PRODUCT SPECIFICATIONS - January 2015

World Class Pulp Quality-World First Innovation for the Environment

Irving Pulp and Paper specializes in fibres for premium tissue and paper products, supplying Maple, Mixed Hardwood, and NBSK grades to customers all over the world. Shipping by rail, truck, or ocean service ensures flexibility and cost-effective delivery. Warehouse managed-inventory can support a range of manufacturing needs on a just-in-time basis.



Irving Pulp and Paper is the first pulp mill in the world to apply reverse osmosis. An award winning pollution prevention technology



Mixed Hardwood Kraft Pulp

Typical Properties (includes ± 2 standard deviations) —Oxygen Delignified, Elemental Chlorine-Free Mixed Hardwood Kraft Pulp

DESCRIPTION				
ISO BRIGHTNESS	%	89.7 ± 1.4		
*TAPPI DIRT COUNT (based on TAPPI. Includes all particles >=0.1mm)	PPM	0.6 ± 0.4		
AIR DRY	%	90.1 ± 2.8		
INITIAL FREENESS	(°SR)	29 ± 8	CSF (ml)	443 ± 110
INITIAL TEAR	mN m ² /g	9.4 ± 5.9	100 g _f .m ² /g	96 ± 60
INITIAL TENSILE	m	4930 ± 920		
INITIAL BURST FACTOR	kPa m ² /g	2.6 ± 1.0	(g _f .cm ²)/(g/m ²)	26 ± 10
INITIAL BULK	cm ³ /g	1.7 ± 0.2		
pH		6.2 ± 1.0		
LENGTH WEIGHTED AVERAGE FIBRE LENGTH	mm	0.94 ± 0.22		
LENGTH WEIGHTED AVERAGE FINES	%	3.93 ± 1.20		
TYPICAL FIBRE COMPOSITION				
HARDWOOD	%		84 ± 13%	
SOFTWOOD	%		16 ± 13%	

Bale Specifications	
Bale Weight	525-535 lbs
Bale Dimensions	32" L x 32" W x 17" H
Unitized Stack	8 bales

Wrapper Specifications	
Sheet Size	52" L x 54.5" W x 30" H
Sheet Thickness	3.2 mm
Wrapper Pallet	1 ADMT

MILL SITE ADDRESS:
408 Mill Street, P.O. Box 3007
Saint John, New Brunswick
Canada, E2L 5B6
Tel: (506) 635-6666

SALES OFFICE ADDRESS:
300 Union Street, P.O. Box 5666
Saint John, New Brunswick
Canada, E5C 2K4
Tel: (506) 632-5102
Fax: (506) 633-4021
E-mail: rees.sharon@jd Irving.com



J.D. IRVING, LIMITED

IRVING PULP AND PAPER

PRODUCT SPECIFICATIONS - January 2015

World Class Pulp Quality-World First Innovation for the Environment

Irving Pulp and Paper specializes in fibres for premium tissue and paper products, supplying Maple, Mixed Hardwood, and NBSK grades to customers all over the world. Shipping by rail, truck, or ocean service ensures flexibility and cost-effective delivery. Warehouse managed-inventory can support a range of manufacturing needs on a just-in-time basis.

Maple Kraft Pulp

Typical Properties (includes ± 2 standard deviations) —Oxygen Delignified, Elemental Chlorine-Free Maple Kraft Pulp

DESCRIPTION				
ISO BRIGHTNESS	%	89.5 ± 1.2		
*TAPPI DIRT COUNT (based on TAPPI. Includes all particles >=0.1mm)	PPM	0.7 ± 0.8		
AIR DRY	%	89.9 ± 2.4		
INITIAL FREENESS	(°SR)	39 ± 6	CSF (ml)	318 ± 64
pH		6.3 ± 0.2		
LENGTH WEIGHTED AVERAGE FIBRE LENGTH	mm	0.68 ± 0.06		
LENGTH WEIGHTED AVERAGE FINES	%	5.35 ± 1.38		
TYPICAL FIBRE COMPOSITION				
HARDWOOD	%			90%
SOFTWOOD	%			10%

Bale Specifications		Wrapper Specifications	
Bale Weight	525-535 lbs	Sheet Size	52" L x 54.5" W x 30" H
Bale Dimensions	32" L x 32" W x 17" H	Sheet Thickness	3.2 mm
Unitized Stack	8 bales	Wrapper Pallet	1 ADMT

MILL SITE ADDRESS:
 408 Mill Street, P.O. Box 3007
 Saint John, New Brunswick
 Canada, E2L 5B6
 Tel: (506) 635-6666

SALES OFFICE ADDRESS:
 300 Union Street, P.O. Box 5666
 Saint John, New Brunswick
 Canada, E5C 2K4
 Tel: (506) 632-5102
 Fax: (506) 633-4021
 E-mail: rees.sharon@jdirving.com



Irving Pulp and Paper is the first pulp mill in the world to apply reverse osmosis. An award winning pollution prevention technology

