

PAPTAC Engineering Data Sheets (Archival)

A – PULPWOOD

	Data Sheet No.	Last Date of Issue
Cable Conveyer Performance	A-2	Jan. 68

B – MECHANICAL PULP

	Data Sheet No.	Last Date of Issue
Groundwood Burst – Freeness Relationship	B-1	Jan. 68
Pulpstone Markings	B-3	Jan. 68
Typical Screen Plates – Hole Diameters, Spacing and Per Cent Open Area	B-4	Jan. 68

C – CHEMICAL PULP – Cooking Liquor Preparation, Chemical Recovery, etc.

	Data Sheet No.	Last Date of Issue
Definition of Terms Commonly Encountered in the Sulphite Pulping Process	C-00	Sept. 65
Total Vapour Pressure at Sulphur Dioxide Solutions	C-1	Jan. 68
Vapour Pressure of Calcium Bisulphite Solutions	C-2	Jan. 68
Concentration of Sulphite Waste Liquor	C-3	Jan. 68
Viscosity of Sulphite Waste Liquor	C-4	Jan. 68
Milk-of-Lime Solutions	C-7	Jan. 68
Ammonia – Temperature – Vapour Pressure	C-8	Jan. 68
Liquids Used in Kraft Process	C-9	Aug. 71
Friction Loss of Molten Sulphur in Pipe	C-10	Jan. 68
Vapour Pressure of Ammonium Bisulphite Solutions	C-11	Jan. 68
Lime Kiln Operation	C-12	Jan. 68
Sulphur Dioxide – Anhydrous	C-13	Jan. 68
Solubility of Sulphur Dioxide in Saturated Magnesium Bisulphite Solution	C-14	Jan. 68

D – CHEMICAL PULP – Cooking, Digesting, Blowing, etc.

	Data Sheet No.	Last Date of Issue
Digester Capacities	D-1	July 92
Spacing of Digester Cooking Cycles	D-2	Jan. 68
Ross Diagram Sulphite Curve	D-5	Jan. 68
Lignin-Kappa Relationship for Kraft Pulps	D-6	Jan. 68

E – BLEACHING

	Data Sheet No.	Last Date of Issue
Chlorine	E-1	Jan. 68
Friction Loss of Liquid Chlorine in Pipe	E-2	Jan. 68
Bleach Liquors	E-3	Jan. 68
Sodium Hydroxide	E-4	Jan. 68
Chlorine Dioxide Data	E-5	Jan. 68
Sodium Chlorate Solution Data	E-6	Jan. 68
Bleaching Protocol	E-7	Sept. 04

F – PULP TREATMENT AND STOCK PREPARATION

	Data Sheet No.	Last Date of Issue
Screening Efficiency	F-2	Nov. 70
Wire Screening	F-3	July 92
Alum Solutions	F-4	Jan. 68
Pigment – Water Suspensions	F-5	Jan. 68
Stock Agitation	F-6	July 90

G – PULP, PAPER AND BOARD MACHINES

	Data Sheet No.	Last Date of Issue
Definitions of Standard Terms Used in the Board Industry	G-00	Jan. 68
Tear Factor – Basis Weight Relationship	G-1	Jan. 68
Critical Speed of Rolls	G-3	Jan. 2011
Fan Pump Calculations	G-4	July 2012
Average Weights of Chilled Cast Iron Paper Calender Rolls Including Necks	G-5	July 92
Paperboard Roll Measurement	G-6	Jan. 68
Paperboard Production	G-7	Jan. 68
Rubber Hardness Conversion	G-9	July 92
Volume of Air at Vacuum	G-10	July 92
Hardness of Rubber Covered Rolls	G-11	July 92
Sheet Break Detector System	G-17	Aug. 80
Weaves of Papermaking Wires and Forming Fabrics	G-18	May 05
Newsprint Machine Energy Balance	G-19	May 84
Paper Machine Roll Grinding Tolerances	G-20	May 88
The Chemical Resistance of Various Elastomers Used in the Paper Industry	G-21	Aug. 94
Steam Heat Requirements for Paper Drying	G-22	Sept. 04

H – FINISHING AND SHIPPING

Basis Weight Conversion Factors
Broke Losses
Storage of Paper Rolls

Data Sheet No.	Last Date of Issue
H-2	June, 2010
H-3	Jan. 70
H-4	Jan. 70

I – CONVERTING

Printing Process and Inks

Data Sheet No.	Last Date of Issue
I-1	Jan. 70

N – MATERIALS HANDLING

Maximum Working Loads for Slings
Characteristics of Bulk Materials
Ropes
Freight Car Dimensions and Capacities

Data Sheet No.	Last Date of Issue
N-1	Jan. 70
N-2	Jan. 70
N-6	Jan. 70
N-7	Aug. 72

O – HYDRAULIC

Centrifugal Pump Laws
Properties of Lead
Flow Determination by Chemical Method
Friction Loss of Stock in Pipe
Friction Losses for Water in Pipe
Centrifugal Stock Pumps
Capacity of Tanks
Discharge of Nozzles
Weirs
Capacity of Spray Nozzles
Measuring Flows by the Orifice Method

Data Sheet No.	Last Date of Issue
O-3	Jan. 70
O-4	July 90
O-5	Jan. 70
O-6	Oct. 70
O-7	Jan. 70
O-8	Jan. 70
O-9	July 90
O-11	July 90
O-12	July 90
O-13	July 90
O-15	Jan. 70

P – WATER

Sewer Capacities
Water Treatment Conversion Factors

Data Sheet No.	Last Date of Issue
P-1	Jan. 70
P-2	Jan. 70

Q – STEAM AND COMPRESSED AIR

Calorific Value of Fuel Oils
Mollier Diagram
Compressed Air Leakage
General Compressed Air Engineering Data
Heat Losses from Horizontal Bare Iron Surfaces
Heating Value of Canadian Woods
Bark Data
General Compressed Air Selection

Data Sheet No.	Last Date of Issue
Q-1	Jan. 70
Q-4	Jan. 70
Q-5	July 90
Q-6	May 73
Q-7	Jan. 70
Q-8	Jan. 70
Q-9	Jan. 70
Q-17	Aug. 73

R – ELECTRICAL

Electrical Rooms – Minimum Recommendations

Data Sheet No.	Last Date of Issue
R-19	Aug. 73

S – INSTRUMENTATION

Bibliography of Process Control
Instrument Identification
Piping Arrangements for Acceptable Flow-Meter Accuracy

Data Sheet No.	Last Date of Issue
S-0	Sept. 66
S-1	Aug. 71
S-2	Oct. 70

T – MECHANICAL

Hardness Conversion Tables for Steels
Temperature Conversions
Identification of Metals and Alloys
Applications of Rolled and Forged Steels
Chord Lengths for Spacing Off a Circle
Lubricating Oils
Standard for Custom Fabricated Reinforced Polyester
Corrosion Resistant Process Equipment
Stainless Steel Piping – Recommended Colour Code

Data Sheet No.	Last Date of Issue
T-1	July 92
T-2	July 92
T-3	Oct. 70
T-6	July 92
T-11	July 90
T-12	July 92
T-17	May 70
T-18	Aug. 71

U – STRUCTURES AND BUILDINGS

	Data Sheet No.	Last Date of Issue
Concrete	U-1	May 70
Design of Concrete Forms	U-3	July 90
Strength and Properties of Canadian Woods	U-6	Aug. 72
Engineering Design in Timber	U-7	July 90

Z – GENERAL

	Data Sheet No.	Last Date of Issue
Pulp-Water Relationships	Z-1	Oct. 70
Pulp and Paper Conversion Factors	Z-2	Jan. 71
Freeness – Slowness Interconversion	Z-5	Jan. 71
Canadian Standard Freeness	Z-6	Jan. 71
Hydrometer Scales	Z-7	Jan. 71
Baumé – Specific Gravity Conversion	Z-8	Jan. 71
Temperature Conversion	Z-11	Jan. 71
Hydrogen Ion Concentration and pH	Z-12	Jan. 71
Purpose of Engineering Data Sheets	Z-13	July 90
Preparation of a Data Sheet	Z-13A	July 90
Sulphuric Acid Density Table	Z-16	Jan. 71
Sodium Carbonate, Concentration at 15°C	Z-18	Jan. 71
Depreciation of Mill Equipment and Structures	Z-19	Sept. 70
Solubility of Air in Water	Z-21	Jan. 71
Definition of Recycled and/or Reclaimed Fibre for Use by the Paper and Board Industry	Z-26	Aug. 72
Some Suggested Metric (SI) Units for Environmental Use	Z-28	July 83
Printing and Graphic Arts Terminology	Z-29	July 96