



HARMAC R

HARMAC R ECF Softwood Bleached Kraft Woodpulp

A blend rich in Douglas fir, with the balance western hemlock/balsam fir.

An exceptionally high tear/tensile pulp, HARMAC R is used in papermaking processes where superior strength and good drainage is very important. Alternatively, its strength can be used to reduce the softwood kraft content of paper grades while maintaining runnability and finished paper strength. Its primary uses are in LWC publication grades, groundwood specialties such as telephone directory, and papers requiring bulk. It also finds application in filter and other specialty papers, and in fiber cement board.

The following properties are representative of recent HARMAC R production. The figures shown are averages and should not be interpreted as minimum values.

SHEET PROPERTIES (Based on ISO/CPPA Standards)

PROPERTY	UNITS					
PFI Revolutions		0	250	1000	3000	6000
Freeness	CSF	685	673	624	500	374
Slowness (estimated)	° SR	13.2	13.8	16.9	25.2	35.0
Tear Index	mN*m ² /g	20.1	22.4	15.9	12.6	11.7
Breaking Length	km	3.37	5.01	7.35	9.50	10.38
Burst Index	kPa*m ² /g	1.83	3.06	5.47	7.07	7.84
Fold		21	140	552	817	947
Density	g/cm ³	0.532	0.567	0.610	0.652	0.672
Air Resistance	s/100 ml	1.1	1.8	3.4	10.5	29.7
Stretch	%	1.86	2.48	2.93	3.10	3.10
T.E.A. Index	J/kg	459	892	1472	1940	2108
Opacity (ISO Printing)		70.8	68.0	64.2	61.2	58.8
Scattering Coefficient	m ² /kg	32.1	28.1	24.1	21.2	19.3

FIBRE PROPERTIES (FQA)

PROPERTY	UNITS	
Fibre Length LWA	mm	2.44
Coarseness	mg/100 m	18.7
Fibre Count	million/g	4.91

PULP PROPERTIES

PROPERTY	UNITS	
Brightness	ISO	89.6
Total Dirt	ppm	0.38
Viscosity	cp	20.4

BALE PROPERTIES

Dimensions: 86 x 76 x 43 cm (34 x 30 x 17 in.) Weight: 250 kg (551 lb.)