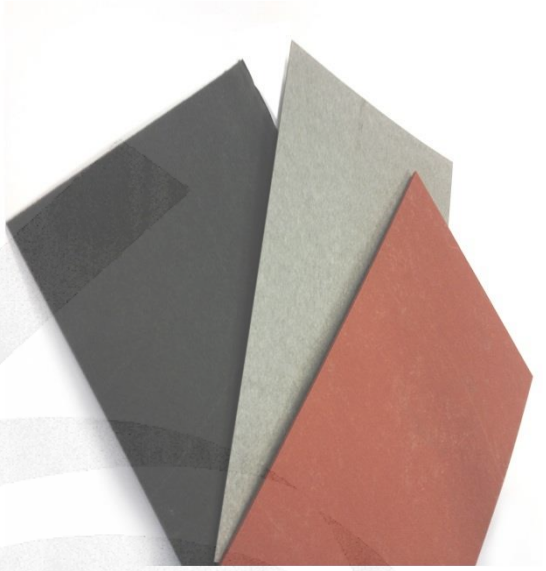
DATA SHEET

SHFB – HB07

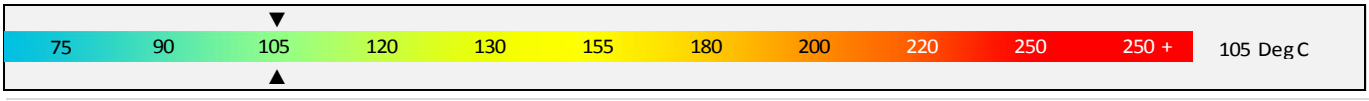


SHEETS

SHEETS, VULCANIZED BLACK / RED FIBRE
BLACK FIBRE SHEET – PAGE1
RED FIBRE SHEET – PAGE2

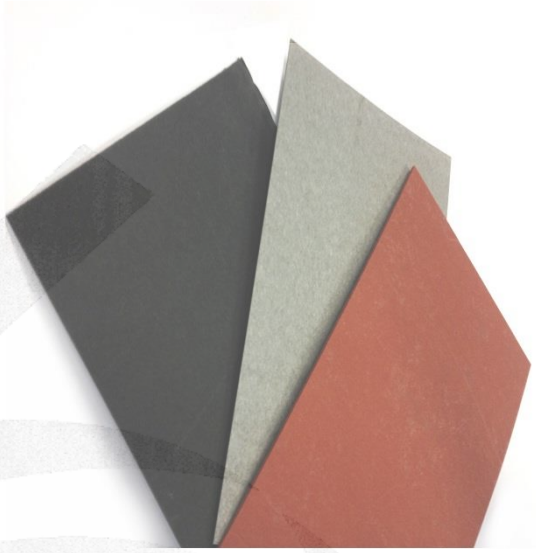
Vulcanized Fibre consists of superimposed layers of specially prepared paper chemically treated so that the laminae are virtually destroyed with the production of homogeneous mass of converted cellulose in the form of sheet or tube. It is a dense and hard material with excellent electrical, mechanical, heat and arc resistance properties.

GRADE			HB07BK	HB07BK	HB07BK
NOMINAL THICKNESS	mm		0.8	1.6	2.4
THICKNESS	mm		0.82	1.56	2.41
DENSITY	g / cm³		1.27	1.36	1.35
TENSILE STRENGTH	mpa	MD	143.5	124.1	101.0
		CD	62.8	64.6	54.6
ELONGATION	%	MD	7.5	12.3	16.4
		CD	20.6	17.2	16.6
INTERNAL PLY	N/m		881	1448	1628
FLEXURAL STRENGTH	mm	MD	6	10	17
		CD	4	8	14
DEGREE OF SHRINKAGE (105°CX6h)	%	MD	0.81	0.86	0.47
		CD	1.93	1.78	1.31
		ZD	3.79	3.23	2.90
CHLORINE CONTENT	%		0.008	0.007	0.005
DIELECTRIC BREAKDOWN STRENGTH AT 105°C X 24h	kV/mm	AVE	21.5	18.6↑	13.9↑
		MIN	21.2	-	-
ASH CONTENT	%		1.1	1.0	0.7
MOISTURE	%		8.5	9.9	8.2
CONDITIONING & TESTING STANDARD ATMOSPHERE			23±1°C, 50±2%rh		



Temperature Index

SHFB – HB07



SHEETS

			HB07RD	HB07RD	HB07RD
NOMINAL THICKNESS	mm		0.8	1.6	2.4
THICKNESS	mm		0.80	1.57	2.51
DENSITY	g / cm³		1.29	1.32	1.35
TENSILE STRENGTH	mpα	MD	138.5	121.1	91.8
		CD	60.5	53.8	51.3
ELONGATION	%	MD	6.6	11.1	14.6
		CD	18.7	11.9	17.6
INTERNAL PLY	N/m		849	1119	1505
FLEXURAL STRENGTH	⌀mm	MD	7	12	24
		CD	4	8	14
DEGREE OF SHRINKAGE (105°CX6h)	%	MD	0.86	0.86	1.15
		CD	1.91	1.62	1.41
		ZD	4.31	3.58	2.90
CHLORINE CONTENT	%		0.006	0.013	0.023
DIELECTRIC BREAKDOWN STRENGTH AT 105°C X 24h	kV/mm	AVE	23.1	19.6	13.5↑
		MIN	22.9	-	-
ASH CONTENT	%		2.0	1.4	0.8
MOISTURE	%		8.4	9.0	9.5