

INSULATING MATERIALS

ELECTRIC INSULATING

TRANSFORMER PRESS PAPER / **ETPS**

MATERIAL PROPERTIES		CONDITIONING	UNIT	MEAN VALUE	STANDARD VALUE
THICKNESS DEVIATION MAX.		STANDARD ATMOSPHERE 23/50	Mn	TABLE DIN 40600	+/-10%
APPARENT DENSITY		STANDARD ATMOSPHERE 23/50	G/cm ³	1.25	1.2 – 1.3
TENSILE STRENGTH UNFOLDED MIN.	MD CMD	STANDARD ATMOSPHERE 23/50	N/MM ²	110 65	90 50
ELONGATION UNFOLDED MIN.	MD CMD	STANDARD ATMOSPHERE 23/50	%	6 12	5.5 12
SHRINKAGE TO CONSTANT WEIGHT MAX.	MD CMD THICKNESS	STANDARD ATMOSPHERE 23/50	%	0.6 1.1 4.5	1.0 1.5 7
MOISTURE CONTENT MAX.		DELIVERY	%	8	8
ASH CONTENT MAX.		STANDARD ATMOSPHERE 23/50	%	0.5	1
CONDUCTIVITY AQUEOUS EXTRACT MAX.		DELIVERY	Ms/m	6	8
PH VALUE AQUEOUS EXTRACT		DELIVERY		7 – 9	6 – 9
OIL ABSORPTION MIN.		MOISTURE CONTENT 0.1%	%	10	9
DIELECTRIC STRENGTH MIN.	UNFOLDED	STANDARD ATMOSPHERE 23/50	KV/mm	11	10

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