



GAMA IMPEKS EOOD

ELECTRICAL INSULATING CARDBOARD, TYPES "A" AND "B"

Pressboard produced from environmentally friendly 100% unbleached softwood sulphate pulp and purified water.

Type A:

Type A - cardboard for the manufacture of details of the main isolation for transformers and other equipment with voltage up to 750kV. It works in oil environment at temperatures up to 105oC.

Type B:

Type B - the cardboard of high electrical strength for the manufacture of parts of the main isolation for transformers with voltage up to 220kV, for the manufacture of glued parts, transformers of all voltage classes. It works in oil environment temperatures of up to 105oC.

Type B 3.1.B – pressboard high purity, mechanical strength and good compatibility with liquid dielectrics strenght is recommended to be use in all types of Distribution Transformers.

Parameters:

Thickness: 1.0; 1.5; 2.0; 2.5; 3.0; 4.0; 5.0; 6.0; 7.0; 8,0 mm.

Formats: 1000x1500 mm; 2000x3000 mm; 3000x4000 mm. (Other formats are possible).

Technical indicators

Property	Range of thickness	Unit	Value	
			Type A	Type B
Apparent density	1,0 – 1,5mm 2,0 – 3,0mm 4,0 – 6,00mm	g/cm*3 g/cm*3 g/cm*3	0,90 – 1,00	0,95 – 1,15 1,00 – 1,15 1,00 – 1,20
Tensile strength MD*1	1,0 – 6,0mm	MPa	60	80
Tensile strength CMD*2	1,0 – 6,0mm	MPa	40	50
Shrinkage MD	1,0 – 6,0mm	%	0,7	0,8

Shrinkage thickness	1,0 – 6,0mm	%	5,0	5,0
Moisture content	1,0 – 1,6mm 1,6 – 6,0mm	%	10,0 8,5	10,0 8,5
Ash content	1,0 – 6,0	%	0,7	0,7
Conductivity of aqueous extract, no more: At the module 1:50	1,6 – 6,0mm	mS/m	4,5	4,5
Oil absorption	1,6 – 6,0mm	%	25	15
Compressibility	1,6 – 6,0mm	%	12,0	12,0
Impulse voltage withstand strength (No less)	1,00mm	kV	-	31
	1,5mm		-	43
	2,0mm		40	53
	2,5mm		45	61
	3,0mm		50	66
	4,0mm		-	76
	5,0mm		-	84
6,0mm	-	90		
Resistance to surface discharges (No less)	1,6 – 6,0mm	min	10-20	10-14