

TRANSFORMERBOARD T IV (Typical Values)

Property	Range of Thickness	Unit	Value
Apparent density	1.0-1.5 mm	g/cm ³	1.14
	2.0-3.0 mm	g/cm ³	1.19
	4.0-6.0 mm	g/cm ³	1.21
	7.0-8.0 mm	g/cm ³	1.23
Tensile strength, MD	1.0-3.0 mm	N/mm ²	130
	4.0-8.0 mm	N/mm ²	145
Tensile strength, CMD	1.0-3.0 mm	N/mm ²	95
	4.0-8.0 mm	N/mm ²	105
Elongation, MD	1.0-3.0 mm	%	5.0
	4.0-8.0 mm	%	6.0
Elongation, CMD	1.0-3.0 mm	%	5.0
	4.0-8.0 mm	%	6.0
Shrinkage, MD	1.0-8.0 mm	%	0.3
Shrinkage, CMD	1.0-8.0 mm	%	0.4
Shrinkage, thickness	1.0-8.0 mm	%	3.9
Plyadhesion	1.0-8.0 mm	N/3 cm	290
Moisture content	1.0-8.0 mm	%	<6
Ash content	1.0-8.0 mm	%	0.4
Conductivity of aqueous extract	1.0-8.0 mm	mS/m	2.0-9.0
pH of aqueous extract	1.0-8.0 mm	-	6.6
Oil absorption	1.0-8.0 mm	%	13
Flexural strength, MD	1.0-8.0 mm	N/mm ²	105
Flexural strength, CMD	1.0-8.0 mm	N/mm ²	90
Compressibility C	1.0-1.5 mm	%	7.2
	2.0-3.0 mm	%	4.9
	4.0-8.0 mm	%	3.6
Reversible part of compressibility C rev.	1.0-1.5 mm	%	55
	2.0-3.0 mm	%	61
	4.0-8.0 mm	%	76
Electrical break down strength 50 Hz	1.0 mm	kV/mm	50
	3.0 mm	kV/mm	40
Impulse voltage withstand strength 1.2/50 μs	1.0 mm	kV/mm	90
	3.0 mm	kV/mm	80

The technical data for TRANSFORMERBOARD reflect typical results of our routine tests performed in WEIDMANN laboratories according to IEC Standards 641-2 and 243-1. These typical values do not constitute specifications of our products.

Standard Thicknesses and Sheet Sizes

TRANSFORMERBOARD T IV		
Thickness	Master Size	Standard Size
1.0 mm	6300 x 3200 mm	
1.5 mm		
2.0 mm		
2.5 mm		
3.0 mm		
4.0 mm		
5.0 mm		
6.0 mm		
7.0 mm		
8.0 mm		

Minimum order: one sheet in master size

Special sizes and thicknesses upon request and with extra charge

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