



Transformer Board (Press Board T-IV)

General Material Properties

Properties	Parameter	units	LB 3.1A.1 ⁺	LB 3.1A.2 ⁺⁺
Flexural Strength	MD	MPa	115	130
	CMD		105	120
Compressibility	C	%	2.7	2.2
	C _{rev}		83	84
Internal Ply Strength	Dry 23° C	MPa	112	115
	Dry 120 °C retention	%	<79	73
	Oiled 23 °C retention		96	97
	Aged 23 °C retention		94	97
Apparent Density		g/cm ³	1.24	1.30
Moisture Content		%	7.4	3.5
Shrinkage	Thickness	%	6.1	2.5
	MD		0.4	0.2
	CMD		0.6	0.3
Oil Absorption		%	12.5	10.01
Ash Content		%	0.5	0.9
Conductivity of Aqueous Extract		mS/m	10.5	6.5
Electric strength in oil		kV/mm	14.0	13.5

⁺ Adhesive Type 1 Casein 9.0 – 30.0 mm ⁺⁺ Adhesive Type 2 Polyester 9.0 – 200.0 mm¹ Method D; 17 N/cm²

*The information on this page is intended as general guidance only and is only accurate at the time of posting (10-18-12). Specific material properties vary by manufacturer. Please contact a Dielectric application engineer for help in choosing the optimal material for your application and budget.