

## PRESSPHAN CPP

### Composition / Properties

- PRESSPHAN CPP is a natural coloured, hot pressed pressboard made of 100% unbleached sulphate cellulose (type 3.1 according to IEC 60641-3-1)
- PRESSPHAN CPP is characterized by its high purity and its high mechanical strength.
- PRESSPHAN CPP offers low shrinkage and also a low compressibility. Moreover it offers also a high oil absorption.

### Application

- the major application for PRESSPHAN CPP are insulation parts in power transformers.

For thermal class 105°C (class A) according to IEC 60085

Properties	Thickness mm	Unit	Nominal Value	
Thickness tolerance	≤ 1,6	%	± 7,5	
	> 1,6		± 5,0	
Apparent density	≤ 1,6	g/cm <sup>3</sup>	1,0 - 1,2	
	> 1,6 - 3,0		1,1 - 1,25	
	> 3,0		1,15 - 1,3	
Tensile strength MD	≤ 1,6	MPa (N/mm <sup>2</sup> )	≥ 100	
	> 1,6 - 3,0		≥ 105	
	> 3,0		≥ 110	
Tensile strength CD	≤ 1,6	MPa (N/mm <sup>2</sup> )	≥ 75	
	> 1,6 - 3,0		≥ 80	
	> 3,0		≥ 85	
Elongation MD	-	%	≥ 2,5	
			CD	≥ 3,5
Compressibility - C	≤ 1,6	%	≤ 10	
	> 1,6 - 3,0		≤ 7,5	
	> 3,0		≤ 5,0	
Reversible part of compressibility - C <sub>rev</sub>	≤ 1,6	%	≥ 45	
	> 1,6 - 3,0		≥ 50	
	> 3,0		≥ 50	
Shrinkage MD	-	%	≤ 0,5	
			CD	≤ 0,7
			Thickness	≤ 5,0



Uffici e Magazzini:  
 16039 Sestri Levante (GE) - Via della Pergola, 17  
 Tel. 0185-43095 (2 Linee) Fax. 0185-456966  
[WWW.DIELETTTRICALIGURE.IT](http://WWW.DIELETTTRICALIGURE.IT)  
 Sede Legale: 16120 Genova - Via Fieschi, 25/3

C.F./P.I. 02862770100  
 Reg. Imprese 47463

C.C.I.A.A. 301289  
 Cap. Soc. € 10.400,00

Properties	Thickness mm	Unit	Nominal Value
Cohesion between plies	-	N/30mm	≥ 250
Moisture content	-	%	≤ 6,0
Ash content	-	%	≤ 0,7
Conductivity of aqueous extract	≤ 1,6	μS/cm	≤ 5,0
	> 1,6 - 3,0		≤ 6,0
	> 3,0		≤ 8,0
pH of aqueous extract			6 - 9
Oil absorbtion	≤ 1,6	%	≥ 11
	> 1,6 - 3,0		≥ 9
	> 3,0		≥ 7
Electric strength in air	-	kV/mm	≥ 12
Electric strength in oil	≤ 1,6	kV/mm	≥ 45
	> 1,6		≥ 35

All values are measured according to standard IEC 60641-2

The statements in this publication are based on our present knowledge and experience. Due to the number of possible influences in the processing and application of our products, these statements do not exempt the user from making his own tests and experiments. They cannot be taken as legally binding assurance regarding certain properties or suitability for a particular application. Any possible patent rights as well as existing laws and provisions must be observed at the responsibility of the user.