



ERBA ISOLANTI srl

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DATA: 20 Feb.'98	ELECTROPRESSPAN BF PRESSPAN OF PURE CELLULOSE FIBRES PSP3010, PSP3011*, PSP3012* - DIN 7733 and IEC 641	Codice P3010
Agg. 29 Giu.00		Scheda 05 1 GB tecnica
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DESCRIPTION

ELECTROPRESSPAN BROWN - SHEETS is a paper-like product consisting of pure cellulose fibres. It is produced in a layer-forming process of insulating paper of maximum purity.

ADVANTAGES

In addition to the high dielectric strength, this product has no melting point and it is able to withstand severe short duration thermal stresses (e. g. a few seconds at 350°C) without any significant deterioration. Our ELECTROPRESSPAN BROWN – SHEETS is therefore used up to 190°C in appropriate cases. It has a good impregnating capacity.

APPLICATIONS

Stamping and shaped components, coil formers, stator and rotor end disks, shim stamping, switches, dry transformers, dividers, distance plates, cut pieces and washers.

INSULATION CLASS: A (105°C) sec VDE 0530 PART 1

TECHNICAL PROPERTIES (DIN 7734 - IEC 641)

Thickness	UNIT	0,70	0,75	0,80	0,90	1,0	1,5	2,0	2,5	3,0	4,0
Conductivity of aqu. extract	ηS/cm	≤200									
Tensile strength - MD	N/mm²	≥60					≥70				
Tensile strength - CMD	N/mm²	≥30					≥40				
Elongation - MD	%						≥5,5				
Elongation - CMD	%						≥ 8				
Dielectric strength	kV/mm	≥11					≥10		≥ 9		no spec.
Ash content	%						≤ 5				
Moisture content	%						≤ 8				
Density	g/cm³	1 , 2 - 1 , 3									
Shrinkage	%	≤ 2									

AVAILABILITY

Thickness		0,70	0,75	0,80	0,90	1,0	1,5	2,0	2,5	3,0	4,0
Tolerances		0,05		0,07		0,10	0,12	0,15		0,20	
Area weight	Kg/m²	0,875	0,935	1,00	1,125	1,25	1,875	2,50	3,125	3,75	5,00
Tolerance	%	10									
Area utilization approx	m²/Kg	1,14	1,07	1,0	0,9	0,8	0,5	0,4	0,32	0,27	0,2
Standard dimension type WZ abt.	mm	1000 x 2100 or 1000 x 1050 or 700 x 1000									

* In accordance with the production programme these types can also supplied with one side smooth (PSP3011) or both sides smooth (PSP3012).