

ERBA ISOLANTI srl

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

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 <u>no melting point</u> 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)

| | (211, 1, 61, 126, 611) | | | | | | | | | | | |
|------------------------------|------------------------|------|---------|------|------|-----|-----|--------|-----|------|------|--|
| 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/mm ² | | | ≥60 | | | | | ≥70 | | | |
| Tensile strength - CMD | N/mm ² | | ≥30 ≥40 | | | | | | | | | |
| Elongation - MD | % | ≥5,5 | | | | | | | | | | |
| Elongation - CMD | % | | | | | ≥ | 8 | | | | | |
| Dielectric strength | kV/mm | | | ≥11 | | | ≥10 | \geq | 9 | no s | pec. | |
| Ash content | % | | | | | ≤ | 5 | | | | | |
| Moisture content | % | ≤ 8 | | | | | | | | | | |
| Density | g/cm ³ | | 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/m^2 | 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 | m^2/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 | | 100 | 00 x 2 | 100 or | 1000 | x 1050 | or 7 | 00 x 10 | 000 | |

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

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 ther 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 responsability of the user.