



# ERBA ISOLANTI srl

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DATA: 21 Lug 97	<b>TRAFOPRESSPAN - ROLLS</b> <b>PRESSPAN OF PURE CELLULOSE FIBRES</b>  PSP3055 DIN 7733 e IEC 641	Codice P3055
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		Gruppo A

## DESCRIPTION

Manufactured according to DIN 7733; Type 3055; according to IEC 641/1. Type P2-1. This presspan is produced in rolls, calendered, with 100% sulphate cellulose, natural colour, high degree of purity, high mechanical resistance and fully compatible with cooling fluids (minerals oils, MIDEL, etc.).

## APPLICATIONS

Insulation for oil cooled transformers and switches, end-insulation of small dry transformers, winding coils for small transformers. Production of shaped parts, spacers, caps, rings, etc., punched parts, gaskets.

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

## TECHNICAL PROPERTIES

Tests according to DIN 7733	UNIT	VALUES	Standard
Conductivity of aqu. extract	$\eta$ S/cm	100	DIN 7734
Tensile strength - MD	N/mm <sup>2</sup>	$\geq 70$	DIN 7734
Tensile strength - CMD	N/mm <sup>2</sup>	$\geq 50$	DIN 7734
Elongation - MD	%	$\geq 6$	DIN 7734
Elongation - CMD	%	$\geq 8$	DIN 7734
Electrical strength	kV/mm	$\geq 11$	DIN 7734
Ash content max	%	2	DIN 7734
Moisture content max	%	8	DIN 7734
Density	g/cm <sup>3</sup>	1,20 - 1,25	DIN 7734

## SPECIFIC PRESSBOARD PROPERTIES

	UNIT	VALUES
Melting point	---	none
Coefficient of linear thermal expansion	K <sup>-1</sup>	$5 \times 10^{-6}$
Thermal conductivity	W/(m • K)	0,45
Dielectric constant	---	4,1 - 4,4
Specific volume resistance	$\Omega \bullet \text{cm}$	$10^{14} - 10^{15}$

## AVAILABILITY

Thickness: from 0,1 to 1 mm.

Inside diameter 76 mm - Outside diameter 240 mm.

Rolls of abt Kg 50; suppliable with abt kg 100.

Width rolls mm 1.000; for thickness from 0,1 mm to 0,5 mm available width up to 2.000 mm.

Reels on customer specifications from 4,7 mm - I.D. 70 mm / O.D. 240 mm.

Tolerances on thicknesses:

Thickness mm	0,10	0,15 - 0,20 - 0,25	0,30	0,35 - 0,40 - 0,45	0,5 - 0,6 - 0,7 - 0,8	1,0
Tolerance mm	$\pm 0,01$	$\pm 0,02$	$\pm 0,03$	$\pm 0,04$	$\pm 0,05$	$\pm 0,07$

Storage in dry rooms.

Storage in original packaging.

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