

# Technical Data



## PUCARO Transformer presspaper DDP

Combined flexible insulating materials

### Features:

- **Insulation class A** (105° C) in accordance with IEC 60085
- Presspaper (in rolls), 100 % sulphate wood pulp, natural coloured
- Type P 4.1 (medium density) and Type P2.1 (high density) according to IEC641-1
- Thermosetting coating of epoxi-phenolic resin (B-stage), put in rhombic pattern on one or both sides.
- Good compatibility with transformer impregnants after curing of the coating.

**Note:** The surfaces to be bonded must remain tightly pressed together during curing

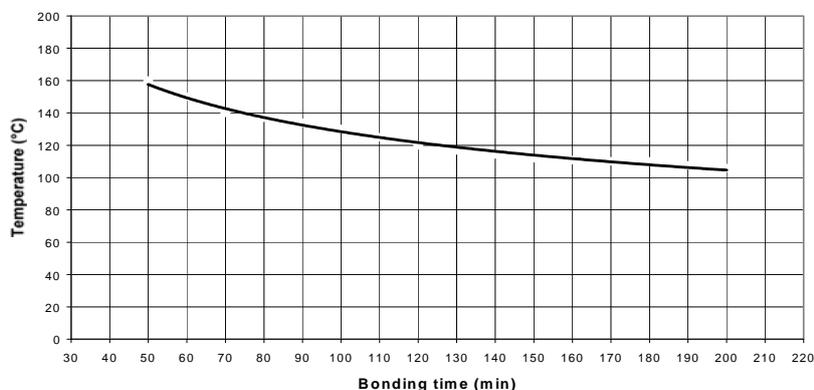
### Application:

- Layer insulation in liquid-filled transformers

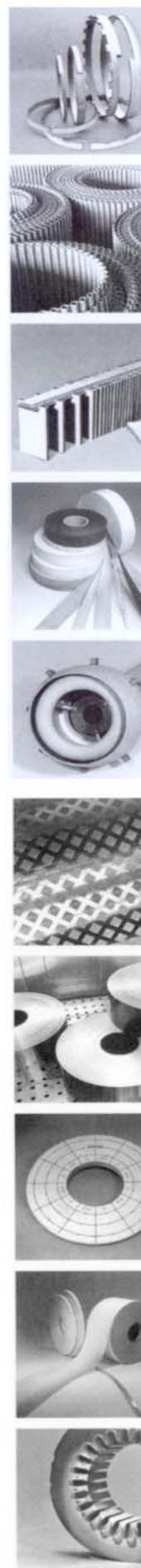
### Available:

- in rolls                                    appr. 640 or 1280 mm width
- in strips                                    minimum width 4 mm
- Available thicknesses: 0,1 - 1,0 mm (presspaper thickness)

### Bonding of coating



PUCARO ELEKTRO-ISOLIERSTOFFE GMBH



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### Material Properties:

	Test standard	Conditioning	Unit	Measured value Type P 4.1	Measured value Type P2.1
Thickness deviation max.	IEC 641-2	stand.atm. 23/50	%	±10	± 10
Apparent density	IEC 641-2	stand.atm. 23/50	g/cm <sup>3</sup>	1,12	1,25
Tensile Strength M.D. unfolded min. C.M.D.	IEC 641-2	stand.atm. 23/50	N/mm <sup>2</sup>	90 40	100 55
Elongation M.D. Unfolded min. C.M.D.	IEC 641-2	stand.atm. 23/50	%	6,5 12,5	6 12
Max. Shrinkage M.D C.M.D. thickness	IEC 641-2	stand.atm. 23/50	%	0,7 1,2 5	0,6 1,1 4,5
Ash content max.	IEC 641-2	stand.atm. 23/50	%	0,5	0,5
Moisture content max.	IEC 641-2	Delivery	%	8	7
Conductivity Aqueous extract max.	IEC 641-2	Delivery	mS/m	8	6
pH value aqueous extract	IEC 641-2	Delivery		7-9	7-9
Oil absorption min.	IEC 641-2	Moist. cont 0,1 %	%	15	10
Dielectric Strength min unfolded	IEC 641-2	stand.atm. 23/50	kV/mm	11	12
Amount of per side	Pucaro	Delivery	µm	10	10
Min. baking time	Pucaro	Delivery	Minutes	20	20
Min. baking temperature	Pucaro	Delivery	°C	110	110
Min. shelf life	Pucaro	Delivery	Month	12	12

Measured values determined at 0.25mm thickness

Although the above values have been determined by conscientious testing, they provide only general guidelines. PUCARO has implemented several programs to assure the highest quality and reliability of this product. Due to the wide range of applications, however, no responsibility can be assumed for its use.

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Technische Änderungen vorbehalten!

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