Presspaper, two-layer bonded PSP 3055-2

Similar to P.2.1B according to IEC 60641-3-2



- **The two-layer presspaper PSP 3055-2 is a natural-coloured, calendered press-paper made of 100 % unbleached sulphate cellulose, which has been bonded with an adhesive for the added electrical safety of two layers of presspaper PSP 3055.**
- **Presspaper PSP 3055-2 is manufactured in thicknesses from 0.10 to 0.25 mm and is primarily used for layer insulation and winding insulation on distribution transformers. With the two-layered bonding, lower material thicknesses with sufficient electrical stability are possible - and as a result transformer coils can be built smaller and more compact.**
- **Upon request, the presspaper PSP 3055-2 can also be provided in a special "Thermally upgraded" version (name: Presspaper PSP 3055-2 TU). Here the thermal ageing process of the pressboard is delayed by adding a small quantity of a nitrogenous additive.**
- **For formats and tolerances, see Page 1.22**

Technical data for presspaper PSP 3055-2 (two-layer bonded) / Measured in accordance with IEC 60641-2						
Nominal thickness Tolerance	mm %	0.10 ± 10	0.12 ± 10	0.15 ± 10	0.20 ± 10	0.25 ± 10
Density	g/cm³	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2	1.2 - 1.3	1.0 - 1.2
Area weight approx.	g/m²	110	132	165	250	275
Area yield approx.	m²/kg	9.1	7.6	6.1	4.0	3.6
Tensile strength MD	MPa	≥ 75	≥ 75	≥ 75	≥ 80	≥ 80
Tensile strength CMD	MPa	≥ 35	≥ 35	≥ 35	≥ 45	≥ 40
Elongation MD	%	≥ 3	≥ 3	≥ 3	≥ 4	≥ 3,5
Elongation CMD	%	≥ 9	≥ 9	≥ 9	≥ 9	≥ 10
Moisture content	%	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8
Shrinkage MD	%	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1
Shrinkage CMD	%	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
Conductivity of the aqueous extract	mS/m	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8
Dielectric strength in air	kV/mm	≥ 10	≥ 10	≥ 10	≥ 10	≥ 11
Dielectric strength in oil	kV/mm	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50

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All values indicated should be viewed as guideline values. Subject to changes. We do not accept any obligations or liabilities in respect of this information.
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