

Presspaper PSP 3020

P. 6.1 A according to IEC 60641-3-2

- **PSP 3020 is an orange brown presspaper made of 100 % unbleached sulphate cellulose and extra pure water that is free of all bonding agents. It receives its final electrical and mechanical properties after wet compression through a hot-air drying process followed by calendering.**
- **PSP 3020 is manufactured in thicknesses from 0.1 to 1.0 mm and primarily is used for slot linings, circumferential insulations and interleaving insulations on electrical machines and for punched parts and support parts. Because of the hygroscopic performance of this presspaper, which always brings about a change in properties, an impregnation or coating with synthetic resin should always be included after processing.**



Technical data for presspaper PSP 3020 Measured in accordance with IEC 60641-2

Nominal thickness	mm	0.10	0.15	0.20	0.25	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
Tolerance	%	± 10	± 10	± 10	± 10	± 10	± 10	± 10	± 10	± 10	± 10	± 10	± 10
Density	g/cm ³	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2	1.0 - 1.2
Area weight	g/m ²	115	175	230	290	345	460	575	690	805	920	1035	1150
Tolerance	%	± 10	± 10	± 10	± 10	± 10	± 10	± 10	± 10	± 10	± 10	± 10	± 10
Area yield	approx. m ² /kg	8.70	5.70	4.35	3.45	2.90	2.20	1.75	1.45	1.20	1.10	1.00	0.90
Tensile strength MD	MPa	≥ 75	≥ 75	≥ 75	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80
Tensile strength CMD	MPa	≥ 45	≥ 45	≥ 45	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50
Elongation MD	%	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3
Elongation CMD	%	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8
Moisture content	%	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8
Ash content	%	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0
Conductivity of the aqueous extract	mS/m	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20	≤ 20
Dielectric strength in air	kV/mm	≥ 10	≥ 10	≥ 10	≥ 11	≥ 11	≥ 11	≥ 11	≥ 11	≥ 11	≥ 11	≥ 11	≥ 11

All of the data shown here is provided merely as a guideline. We reserve the right to introduce changes.

We do not accept any obligations or liabilities in respect of this information. Version: 08/2014

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