Pressboard PSP 3051

B.4.1 according to IEC 60641-3-1



- **PSP 3051 is a natural-coloured, specially light and shapeable pressboard made of 100 % unbleached sulphate cellulose and extra pure water that is free of all bonding agents. PSP 3051 has a very high oil absorption capacity.**
- **PSP 3051 is manufactured in thicknesses from 1.0 to 3.0 mm and is primarily used for parts with narrow radii, such as shaped components and pipes.**
- **For formats and tolerances, see Page 1.22**

Technical data for pressboard PSP 3051 / Measured in accordance with IEC 60641-2					
Nominal thickness **Tolerance**	mm %	1.0 ± 7.5	1.5 ± 7.5	2.0 ± 5.0	3.0 ± 5.0
Density	g/cm³	0.85 - 1.1	0.85 - 1.1	0.85 - 1.1	0.85 - 1.1
Area weight **Tolerance**	g/m² %	1000 ± 10	1500 ± 10	2000 ± 10	3000 ± 10
Area yield approx.	m²/kg	1.0	0.67	0.50	0.33
Tensile strength MD	MPa	≥ 55	≥ 55	≥ 55	≥ 55
Tensile strength CMD	MPa	≥ 45	≥ 45	≥ 45	≥ 45
Elongation MD	%	≥ 7	≥ 7	≥ 7	≥ 7
Elongation CMD	%	≥ 8	≥ 8	≥ 8	≥ 8
Shrinkage MD	%	≤ 1.0	≤ 0.7	≤ 0.7	≤ 0.7
Shrinkage CMD	%	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
Shrinkage thickness	%	≤ 6	≤ 6	≤ 6	≤ 6
Moisture content	%	≤ 8	≤ 8	≤ 8	≤ 8
Ash content	%	≤ 0.7	≤ 0.7	≤ 0.7	≤ 0.7
Conductivity of the aqueous extract	mS/m	≤ 8	≤ 8	≤ 8	≤ 8
pH-value of the aqueous extract	-	6 to 9	6 to 9	6 to 9	6 to 9
Oil absorption	%	≥ 18	≥ 18	≥ 18	≥ 18
Dielectric strength in air	kV/mm	≥ 9	≥ 9	≥ 9	≥ 9
Dielectric strength in oil	kV/mm	≥ 35	≥ 35	≥ 30	≥ 30

KREMPEL GmbH
Telefon +49 7042 915 0 | Fax: +49 7042 915 200
info@krempel-group.com | www.krempel-group.com

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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