

INSULATION PAPER, PRESSBOARD/PRESSPAPER

- Presspaper/Pressboard for electrical purposes
- D.D.P. (Diamond dotted insulation paper)
- Cable paper
- Crepe paper
- Crepe paper tube

Presspaper/Pressboard for electrical purposes

Presspaper/Pressboard is made from 100% superior sulfate insulating wood pulp.

Features and Applications:

- High chemical purity, excellent elongation, good Mechanical and dielectric Strength.
- For oil-immersed transformers, capacitors, reactors and switches.

Availability:

- Thickness: Presspaper: 0.1mm-0.5mm
Pressboard: 0.5mm-3mm
- Form: Presspaper: rolls(width 1000mm), sheets(1000mm*1150mm)
Pressboard: sheets(1000mm*2000mm)
- Colour: natural brown, cyan, red. Other colours can be provided on request.

Technical Data:

No.	Properties		Unit	Values						
				Presspaped				Pressboard		
1	Thickness		mm	0.1	0.15-0.25	0.30-0.35	0.40-0.50	≤1.6	1.6-3.0	>3.0-6.0
2	Thickness Tolerance≤		%	±10				±7.5	±5.0	
3	Density		g/cm ³	1.0-1.2				1.0-1.2	1.1-1.25	1.15-1.3
4	Tensile Strength≥	MD	Mpa	80				100	105	110
		CD		40				75	80	85
5	Dielectric strength ≥	In Air No Bending	Kv /mm	9	10	10	9	-----		
		In Air After Bending		7	8	8	7	-----		
		In Oil		-----				40	35	30
6	Shrinkage ≤	MD	%	-----				0.5		
		CD		-----				0.7		
7	Elongation ≥	MD	%	-----				3.0		
		CD		-----				4.0		
8	Conductivity if aqueous extrac t≤		Ms /m	8.0				8.0		
9	PH Value of Aqueous Extract		----	6.0-9.0				6.0-9.0		
10	Ash Content ≤		%	1				1		
11	Moisture Content ≤		%	8				6		

MD: Machine Direction. CD: Cross-machine Direction

Cable paper

Cable paper is made from 100% superior sulfate insulating wood pulp.

Applications:

- For power cables, communication cables, telephone cables and other electric appliances.

Availability:

- Thickness: Power Cable Paper: 0.08mm, 0.13mm, 0.17mm

- Elephone Cable Paper: 0.035mm, 0.04mm, 0.05mm, 0.075mm

- Form: rolls(width 625mm, 960mm), strips(width >5mm)

Technical Data:

No.	Properties		Unit	Power Cable Paper			Communication Cable Paper			Telephone Paper	Cable
1	Thickness		um	80±5	130±7	170±8	100±6	120±7	170±8	50+4/-2	75+6/-3
2	Density		g/cm ³	0.8±0.05			0.7-0.9			0.8	
3	Tensile strengt h≥	MD	KN/m	6.2	11.0	13.7	6.85	9.65	13.7	4.3	5.2
		CD		3.05	5.15	6.85	3.45	4.85	6.85	1.65	2.1
4	Elonga tion ≥	MD	%	1.7	1.8	1.7	2.0	2.2	2.2	1.6	1.6
		CD		5.4	5.7	5.4	6.0	6.5	6.5	3.5	3.5
5	Tear strength≥		M·N	510	1020	1390	650	930	1390	----	
6	Breakdown Voltage At Power Frequency≥		V/ layer	600	950	1200	----			----	
7	PH Value Aqueous Extract		----	6.0-8.0			6.5-8.5			----	
8	Ash Contents≤		%	1.0			1.0			0.8	
9	Moisture Content		%	6.0-9.0			6.0-9.0			5.0-8.0	

MD: Machine Direction. CD: Cross-machine Direction

D.D.P. (Diamond dotted insulation paper)

D.D.P. -Diamond dotted insulation paper is made of electrical insulating paper with diamond-shape epoxy resin dotted in both sides. The epoxy resin used in D.D.P. contains a kind of incubative hardener material, it is a dry and crisp material at normal temperature (below 35°C).

Features and Applications:

- Good dielectric properties and mechanical properties after being heat-solidification.
- As interturn insulation for coils of oil-immersed transformers Interlayer insulation of distribution transformers.

Availability:

- Thickness: 0.08mm, 0.13mm, 0.18mm, 0.20mm, 0.25mm.
- Form: rolls(width 960mm)

Technical Data:

No.	Properties		Unit	Value						
1	Thickness		Mm	0.08	0.13	0.17	0.20	0.25	0.30	0.40
2	Thickness Tolerance		%	6.5						
3	Density		g/cm ³	≥0.85						
4	Tensile Strength	MD	KN/m	7.5						
		CD		3.7						
5	Tear Strength		m·n	500	1000	1500	2000			
6	Dielectric Breakdown		Kv	0.6	0.9	1.2	2.2	2.75	3.3	4.4
7	Aqueous Extract		---	6.8-8.5						
8	Bond Strength		Kpa	450						
9	Ash Content		%	1.0						
10	Moisture Content		%	8±1						
11	Cure Temperature And Time		---	Low temp. 90±5°C≥3h, then high temp. 120±5°C≥6h						
12	Storage Condition		---	Stoarge temp: ≤35°C Stored in dry , clean and ventilated condition Away from the fire , high temperature and direct sunshine.						

MD: Machine Direction. CD: Cross-machine Direction

Crepe paper

Availability:

- Thickness of basic paper: 0.05mm, 0.08mm, 0.13mm,
- Form: rolls(width 625mm), strips(width: 20mm, 25mm, 30mm, 37mm, 40mm,60mm)

Crepe Paper TUBE

Availability:

- Diameter: 4*6mm, 8*10mm, 10*12mm, 12*14mm, 14*16mm, 11*18mm, 25*26mm
- Length: 1000mm

©The above mentioned data sheet should, however, only be regarded as a general guide to product properties and not as a guarantee. Some of the properties ca be changed and improved by SUNKING's development in technology.