



# Capacitor Paper

The product is a type of insulating paper used exclusively for making capacitors. It is made from unbleached sulphate softwood pulp without any auxiliary materials and pulped with high viscosity, then made on a specialized long net thin page paper machine and super calendered. The water used for production must be treated by iron exchange method to make the content of copper, iron and chlorine ions extremely low. It is rolled paper, which is uniform, tight, well-proportioned and without holes. The paper is as thin as a cicada wing but with high mechanical strength, excellent air permeability, electrolyte absorption performance, good chemical purity. Its PH is close to neutral with excellent physical and electrical properties. It has specific requirements for breakdown voltage and conductive particles.

## Standard

GB/T 12913-2008

## Raw Material

100% high purity sulphate wood pulp

## Regular Thickness

10/12/15/17 $\mu$ m

## Certificate Available

UL  ROHS  REACH  MSDS  CEMT

Factory Inspection Report

## Characteristics

- Great electrical insulation properties
- Good thermal chemical and physical properties
- Good air permeability

## Industries

-  Capacitor
-  Optical Microscope

# Technical Data Sheet

Product name		Unit	Capacitor Paper			
<b>SECTION I - MAIN CHARACTERISTICS</b>						
Thickness		μm	10/12		15/17	
Tolerance		%	±5		±5	
Density		g/cm <sup>3</sup>	1.22±0.05			
Moisture content		%	5.0-9.0			
Ash content		%	≤0.35			
Acidity of water extract		%	≤0.007			
Chloride content		mg/kg	Testing according to GB/T 2678.5 5.0 / Testing according to GB/T 2678.2 30			
<b>SECTION II - MECHANICAL CHARACTERISTICS</b>						
Tensile strength		MD	N.m/g	≥78		
<b>SECTION III - ELECTRICAL DATA</b>						
Thickness		μm	10	12	15	17
Electric strength	Minimum value	V/layer	330	365	410	425
	Average value		460	510	535	545
Conducting particles		pcs/ m <sup>2</sup>	≤70	≤40	≤25	≤10
Conductivity of water extract		mS/m	≤3			
Dielectric loss factor (tanδ)	( tg δ )(60°C )	%	≤0.19			
	( tg δ )(100°C )	%	≤0.25			

Note: All information, recommendations and suggestions appearing herein concerning this product are average values ascertained at room temperature by regular statistical analysis. It is provided purely for information and shall not be regarded as binding unless expressly agreed otherwise.

