



## **Insulation Kraft Paper**

Insulation Kraft papers of the type having the required quality specifications for electrical insulation purposes are made entirely from imported virgin fibres. The high purity of the imported virgin fibers ensures that product is totally free from any impurities and conductive particles in particular. Insulation kraft paper is available in roll form with a maximum width of 1500mm and widely used as electrical insulation wrap on aluminum and copper wire by conductors manufacturers, electrical insulation between layers of wound coils in electrical motors, in capacitors transformers and such electrical equipments. We offer these materials in nature brown finish in 2.0 mil, 2.5 mil, 3.0 mil, 4.0 mil, and 5.0mil . The material meets to IEC 60544-3-5 specification for electrical purposes.



PROPERTIES KRAFT PAPER			
Specification: IEC60554-3-5			
Properties		Units	Specified value
Apparent density (Range)		g/cc	0.75 - 0.8
Tensile index, (Min)	MD CD	Nm/g	93 34
Tear Index MD/CD (Min)	≤ 3 Mil 4 Mil 5 Mil	mNM <sup>2</sup> g	5 / 6 6 / 7 7 / 9
Conductivity of Aqueous Extract (Max)		mS/m	10
pH of aqueous Extract, (Range)		---	6.0 - 8.0
Moisture Content, (Max)		%	8
Ash content, (Max)		%	1
Elongation, (Min)	MD CD	%	2 4
Air Permeability		Micro.m/Pa S	0.5 - 1.0
Water Absorption (min)	MD CD	mm	10 10
Heat stability - heated in Air at 120 <sup>0</sup> C for 168 hrs reduction in bursting strength (Max)		%	20
Reduction in Degree of polymerization, Heated in Air at 120 <sup>0</sup> C for 168 hrs (Max)		%	50
Electrical strength in Air		kV/mm	7

The paper is available in roll form, standard width 500mm/750 mm/1500mm and also in slitted pads width ranging from 4mm – 100 mm. Core ID will be 76mm & 50 mm respectively.

Tolerances on thickness: ≤2.5 mil - ± 10%  
≥ 3.0mil - ±7%