

# UMANG BOARDS LIMITED

## PRODUCT DATA SHEET

### KRAFT PAPER



# Kraft paper

## AS PER IEC 60554-5B2-2M2/60554-5B2-2M1

Umang Boards offers Electrical Grade Insulating Kraft Paper Tapes with thickness of 0.05mm (2 mil), 0.075mm (3 mil), 0.100mm (4 mil) 0.125mm (5 mil) in different width sizes according to our customers requirement and Kraft paper tubes in different sizes according to our customers specific requirements in natural brown color, medium density with excellent Oil absorption and dielectric strength. The standard width of rolls is 1000 mm and standard roll diameter of 350mm. Rolls are supplied on 76mm ID core.

Umang boards kraft papers are used to wound on copper and aluminium conductors to be used as winding in power and distribution transformers

## SHELF LIFE

Shelf life is the length of time a product / item is usable or fit for consumption. The Umang Kraft paper rolls is believed to have a shelf life of about 12 months which is dependent on its proper storage and handling.

## STORAGE AND HANDLING

Umang Boards recommends that the Umang Kraft paper tapes and tubes to be stored in warehouse conditions away from direct sunlight and moisture to prevent bonding between layers. This will help to achieve an expected shelf life of 12 months.



# TECHNICAL SHEET

As per IEC- 60554-3-3:1980

Item	Unit	2mil	2.5mil	3mil	4mil	5mil	
Thickness	µm	50	62.5	76	101	127	
Substance	g/m <sup>2</sup>	40	50	61	81	102	
Apparent density	g/cm <sup>3</sup>	0.8	0.8	0.8	0.8	0.8	
Air resistance	s	750	750	750	750	750	
Air permeability	µm/Pa · s	0.17	0.17	0.17	0.17	0.17	
Tensile strength	M.D.	N/15mm (JIS)	60	75	90	120	150
	C.D.		24	30	36	48	60
	M.D.	Nm/g (IEC)	100	100	98	99	98
	C.D.		40	40	39	40	39
Elongation at break	M.D.	%	2.2	2.2	2.2	2.2	2.2
	C.D.		7.0	7.0	7.0	7.0	7.0
Internal tearing resistance	M.D.	mN (JIS)	240	300	480	720	1000
	C.D.		280	350	540	800	1100
Internal tearing Index	M.D.	mNm <sup>2</sup> /g (IEC)	6.0	6.0	7.9	8.9	9.8
	C.D.		7.0	7.0	8.9	9.9	10.8
Moisture content	%	6.0	6.0	6.0	6.0	6.0	
Conductivity of aqueous	mS/m	5.0	5.0	5.0	5.0	5.0	
pH of aqueous extract	-	7.0	7.0	7.0	7.0	7.0	
Ash content	%	0.3	0.3	0.3	0.3	0.3	
Electric strength(a.c)	kV/mm	9.5	9.5	9.2	8.5	8.5	

*Note These values do not constitute specification of our products and also provided are values in accordance with the IEC specification Since test conditions cannot always duplicate actual field installations or end use Umang Boards make no warranties with respect to such data and assume no responsibility for performance characteristics resulting from conditions which may differ from those used in laboratory tests*

## REFERENCE TABLE

<b>Reference Grade &amp; Standard</b>	<b>Tests conducted as per IEC 60554</b>
<b>Color</b>	<b>Natural Brown</b>
<b>Appearance</b>	<b>Kraft on both side</b>

