

# Kraft Paper for Transformer

Item	Unit	IEC Standard *1							High Density *2			
		2mil	2.5mil	3mil	4mil	5mil	6mil	7mil	3HD	4HD	5HD	
Thickness	μm	50	62.5	76	101	127	152	178	76	101	127	
Substance	g/m <sup>2</sup>	40	50	61	81	102	122	142	76	101	127	
Apparent density	g/cm <sup>3</sup>	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	
Air resistance	s	750	750	750	750	750	750	750	>1500	>1500	>1500	
Air permeability	μm/Pa·s	0.17	0.17	0.17	0.17	0.17	0.17	0.17	<0.08	<0.08	<0.08	
Tensile strength	M.D.	N/15mm	60	75	90	120	150	179	209	113	150	185
	C.D.	(JIS)	24	30	36	48	60	73	83	46	60	76
	M.D.	Nm/g	100	100	98	99	98	98	98	99	99	97
	C.D.	(IEC)	40	40	39	40	39	39	39	40	40	40
Elongation at break	M.D.	%	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
	C.D.		8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	
Internal tearing resistance	M.D.	mN	240	300	480	720	1000	1196	1392	676	1000	1257
	C.D.	(JIS)	280	350	540	800	1100	1318	1534	752	1100	1384
Internal tearing Index	M.D.	mNm <sup>2</sup> /g	6.0	6.0	7.9	8.9	9.8	9.8	9.8	8.9	9.9	9.9
	C.D.	(IEC)	7.0	7.0	8.9	9.9	10.8	10.8	10.8	9.9	10.9	10.9
Moisture content	%	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.5	7.5	7.5	
Conductivity of aqueous	mS/m	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	
pH of aqueous extract	-	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	
Ash content	%	0.3	0.3	0.3	0.3	0.3	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	8.5	8.5	8.5	8.5	8.5	

Note \*1 IEC 60554-5B2-2M2 Compliant

Note \*2 IEC 60554-5B4-2M1 Compliant