

CONDENSED SPEC SHEET*

Grade Name: Insulating Paper

Insulating Paper is a specialty paper used in transformers. It comes with adequate dielectric properties and also excellent mechanical properties of tensile, tear and stretch. Insulating Paper exhibits uniform caliper consistency and high pliability.

PARAMETER	UNITS	40mic/32GSM	50mic/43GSM	64mic/55GSM	76mic/65GSM	Test Method
Substance	g/m ²	32 ± 1.5	43 ± 2	55 ± 2	65 ± 2	T410/ISO536
Thickness	µm	44 ± 2	54 ± 2	67 ± 2	79 ± 2	T411/ISO534
Tensile Index MD	Nm/g	80 min	80 min	84 min	84 min	T494/ISO1924
Tensile Index CD	Nm/g	34 min	34 min	34 min	34 min	T494/ISO1924
Stretch (MD)	%	1.6 min	1.6 min	1.6 min	2 min	T494/ISO1924
Stretch (CD)	%	4.8 min	4.8 min	4.5 min	4 min	T494/ISO1924
Tear Index MD	mNm ² /g	5 min	5 min	5 min	5 min	T414/ISO1974
Tear Index CD	mNm ² /g	7 min	7 min	7 min	7 min	T414/ISO1974
Gurley 20Oz	Sec/100ml	40 ± 20	90 ± 40	90 ± 40	90 ± 40	T460/ISO5636-5
Electrical strength	KV/mm	7 min	7 min	7 min	7 min	IS9335
Conductivity	ms/m	10 max	10 max	10 max	10 max	T252/ISO6588-2
Hot pH Ext 5g	-	7 ± 1	7 ± 1	7 ± 1	7 ± 1	T252/ISO6588-2
Absorbency	mm/10min	10 min	10 min	10 min	10 min	T441/ISO12625-8
Moisture	%	7 ± 1	7 ± 1	7 ± 1	7 ± 1	T412/ISO287
Ash	%	0.5 max	0.5 max	0.5 max	0.5 max	T211/ISO1762
Formation	-	Fair	Fair	Fair	Fair	ITC Method

CERTIFICATIONS & COMPLIANCES	
Manufacturing	ISO 9001
EHS	FSC®, ISO 45001, ISO 14001

Note :

1. All Properties are according to ITC Limited, PSPD Unit : Tribeni Measurements
2. Test Climate 23 ± 1°C & 50 ± 2 %RH
3. Tolerances are based upon 95% Confidence limits of single mill measurements of conditioned random samples
4. Can be supplied with FSC® certification on request (FSC®-C064218)