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PRODUCCIÓN	Revisado por: JFA	
The Decelon	Aprobado por: GE	
FICHA TÉCNICA PAPEL WEIDAMNN	Página 1 de 2	TRANSFORMER AND LIGHTING TECHNOLOGIES

1. DETAILED PRODUCT DESCRIPTION

Specifications

- 1. High purity and mechanical strength
- 2.Good compatibility with liquid dielectric

3.Color natural

4.100% sulphate pulp

2. DESCRIPTION

Diamond dotted insulation paper is made of electrical insulating paper coated with heat curable epoxy resin, the epoxy adhesive is applied to both sides of the paper in a diamond pattern consisting of 9.5mm x 9.5mm diamonds with 15.9mm center spacing It is a kind of material with inertia, dry and no conglutination at normal temperature (below 30 degree C). The Diamond Dotted Paper will make the electric conductor forever felt up as a hard unit under the high temperature by its internal latency substance. when the temperature is rising up to 90 degree C. The Diamond Paper begins one-off thaw and then one-off solidification.

When to keep the temperature at 90 degree C for 90 minutes, the epoxy resin would paste on neighboring cable and paper safely. The felt intensity is as high as to 70psi at 100 degree C (The value at least is equal to 0.275Mpa, America standard).

3. FEATURES

- Insulation class A (105 °C) according to according to IEC 641 Kraft paper, 100% sulphate Pulp
- High purity and mechanical strength Color natural
- Baked enamel coating: Epoxy resin , rhombic, one or both sides
- Good compatibility with liquid dielectric after the baked enamel coating has hardened.
- Care should be taken that the that the layers to be baked remain closely pressed against each other during baking time

4. APPLICATIONS

It is to be used in oil-immersed transformers for the insulation between of coils . On the insulation layer, there is a layer dotted epoxy resin.

DATA SPECIFICATION

No.	ITEN	1	UNIT	VALUE					
]	Thickness & error		mm	$\begin{array}{c} 0.08 \pm \\ 0.005 \end{array}$	0.13± 0.007	$\begin{array}{c} \textbf{0.18} \pm \\ \textbf{0.01} \end{array}$	0.20 ± 0.01	$\begin{array}{c} 0.25 \pm \\ 0.01 \end{array}$	
2	Density		g/cm 3	0.85 - 1.10					
3	Single fase adhesive thickness		um	10-15					
4	Moisture		%	4.0 8.0					
5	Oil abdorption		%	≥ 20					
6	Adhesion strenght	Normal	kPa	≥ 650					
		100 °C ± 2°C		≥ 400					
7	Pollution to transformer			No pollution (Δ tan <0.001)					
8	Tensile strength	MD	N/10mm	≥ 60	≥ 110	≥ 160	≥ 180	≥ 230	
		CD		≥ 30	≥ 50	≥ 70	≥ 80	≥ 100	
9	Tear strength	MD	m N	≥ 450	≥ 900	≥ 1350	≥ 1500	≥ 2000	
		CD		≥ 500	≥ 1000	≥ 1500	≥ 1700	≥ 2300	
10	Arc resistance	In air	Kv (tested)	≥ 0.88	≥ 1.37	≥ 2.00	≥ 2.10	≥ 2.25	
		In oil		≥ 4.40	≥ 7.00	≥ 9.00	≥ 9.80	≥ 11.50	