Diamond Dotted Paper

DDP is made of insulation paper coated with special modified epoxy resin in a diamond shape. The adhesive strength of the epoxy resin is enough to prevent the displacement of each layer of the winding during short circuit, thereby ensuring the long-term mechanical and physical properties of insulation structure.

Standard

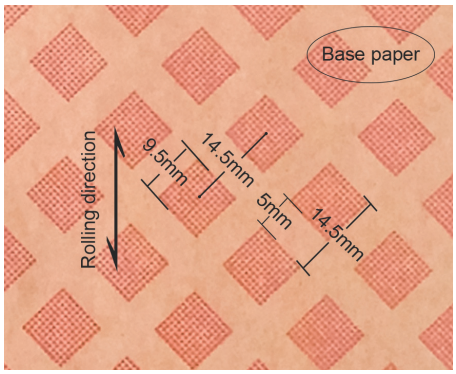
- IEC 60641-3-2:2007
- JB/T10442.3-2017

Ruglar Size

- 0.05*1000mm
- 0.08*1000/1220/1330mm
- 0.13*1000/1220/1330mm
- 0.18*1000/1220/1330mm
- 0.25*1000/1220/1330mm

Special Specification

- 0.075*1000mm
- 0.125*1000mm



Certificate Available

UL☐ RoHS ☑ REACH ☐ MSDS ☑ CEMT ☑
Factory Inspection Report ☑

Characteristics

- Good electrical and mechanical strength
- Low permittivity and high oil absorption

Industries

- Oil Transformer
- Cable

Technical Data Sheet

Product name		Unit	Diamond dotted paper			
SECTION I - MAIN CHARACTERISTICS						
Thickness		mm	0.08	0.13	0.18	0.25
Tolerance		%	±10	±10	±10	±10
Density		g/cm^3	0.90-1.02			
Oil absorption		%	≥20			
Moisture content		%	4~8			
Single-sided adhesive thickness		μm	6-12			
Ash content		%	≤0.8			
pH of aqueous extract		-	6.5-8.5			
SECTION II - MECHANICAL CHARACTERISTICS						
Tensile strength	MD	N/mm^2	≥70			
	CMD		≥35			
Bonding strength	Room temperature	kPa	≥650			
	100℃ ±2℃		≥450			
Elongation	MD	%	≥2.0			
	CMD		≥4.0			
Tearing resistance	CMD	mN	≥510	≥1700	≥2800	≥4200
SECTION III - ELECTRICAL DATA						
Breakdown voltage	In air	kV	≥0.7	≥1.1	≥1.6	≥2.1
	In oil		≥4	≥7	≥9	≥11
Conductivity of the aqueous extract		mS/m	≤8.0			

Note: All information, recommendations and suggestions appearing herein concerning this product are average values ascertained at room temperature by regular statistical analysis. It is provided purely for information and shall not be regarded as binding unless expressly agreed otherwise.