

## Composition

ESD203 (Bakelite Paper Sheet Anti-static) is called ESD Bakelite as well, it`s made by bleached kraft paper with phenolic resin laminate.

**Reinforcement:** Phenolic resin, Bleached kraft paper.

## Application

For template test PCB & ICT applications. Double-side Static diffusion.

## Availability

Thickness: 3 mm ~ 50 mm

Dimension: 1030 x 1240 mm

**Color:** Black.

## Specification Data Sheet

Properties/Items	Method	Unit	ESD203
Density	ISO 1183 / A	g/cm <sup>3</sup>	1.36 ~ 1.45
Water absorption	E-24/50D-24/23	mg	1.6 % max.
Flexural strength(Crosswise)	A	Kgf/mm <sup>2</sup>	140
Flexural modulus	A	Kg/mm <sup>2</sup>	750~900
Insulation resistance	C-90/20/65	Ω	1.0*10 <sup>6</sup> ~0.99*10 <sup>9</sup>
Permittivity	C-90/20/65	1MHZ	4.0~5.5
loss tangent	C-90/20/65	1 MHZ	0.03~0.05
Triboelectrical Voltage	A	V	100 max.
Warp and twist percentage	A		0.3% max.
Heat Resistance	IEC 60167 (in water)	120°C	120min
Shore D Hardness	A		90±2
Flame retardant	UL 94		HB

All information given here is based on test specimens 50 x 50 x 10 mm and on the results of experiments performed with all due care in the laboratories. It does not in any way reduce the responsibility of the user for carrying out further tests in order to ensure successful processing and use in specific applications.

RoHS Declaration: This material does not contain any substances of very high concern as listed in the EU directive 2011/65/EU, article 4, paragraph 1.