HONY® Antistatic Bakelite Sheet Technical Property Data sheet

Standard grade：	Laminated grade	**Appearance color：**	Black
Application：	Processing material , plate; mainly used in ICT, ITE fixture in the processing of the insulating member, test fixture, silicone rubber keypads mold, fixture plate, mold plywood, countertops polishing pad.		
Characteristics：	Good antistatic property, good processing performance, excellent acid resistance and excellent dielectric property.		

②raw materials technical data				
Property item	**Test conditions (status)**	**Test method**	**Test data**	**Unit**
I.Physical properties				
Density	---	GB/T5130	1.36~1.45	g/cm^3
Water absorption	---	GB/T1034	1.6	%
Flammability class	---	UL94	HB	Class
Ⅱ.Mechanical properties				
Tensile strength	---	GB/T5130	120	MPa
Bonding strength	---	GB/T5130	≥ 3600	N
Flexural strength	---	GB/T5130	⩾ 12	Kgf/mm^2
Hardness- Shore D	---	GB/T2411	92	D
Impact strength(notched)	---	GB/T5130	44	J/m
Impact resistance	---	GB/T5130	67	kJ/m
Ⅲ.Thermal properties				
Max.working temperature-short time	---	GB/T5130	180	℃
Max.working temperature-long time		GB/T5130	130	℃
Coefficient of linear thermal expansion	---	GB/T5130	1.3	10°1/K
Ⅳ.Electrical properties				
Relative dielectric constant	1MHz/50Hz	---	5.5/-	---
The insulation resistance of parallel layer after immersion in water	---	GB/T5130	1.0*10	(Ω)
Surface resistivity	---	GB/T5130	10^6~10^9	Ω
Electric strength of vertical layer	---	GB/T5130	12.1	kV/m
Breakdown voltage of parallel layer	---	GB/T5130	10	kV

NOTE: 1 g/cm^3 = 1,000 kg/m^3, 1 Mpa = 1 N/mm^2, 1kV/mm = 1 MV/m

STATEMENT:

NOTE: The information contained here in are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. HONY will not provide any legally binding guarantee of certain properties, or any suitability.