



Typical Properties Data Sheet

The Supplier of Engineering Plastics
 Rods, Sheets, Tubes, Profiles and Machining Parts

Ketonolic® 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	°C
Max.working temperature-long time	---	GB/T5130	130	°C
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 ⁹	(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/cm³ = 1,000 kg/m³, 1 Mpa = 1 N/mm², 1kV/mm = 1 MV/m

STATEMENT:

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