

LINQCELL GDL2200



2.2-mm Graphitized Carbon Fiber Plate

- 2.2 mm – 2200 μm – 86 mil
- Low through-plane resistance and voltage loss
- Customizable compressibility

LINQCELL GDL2200 is a high-performance graphitized carbon plate that can be used as a gas diffusion layer in fuel cells and water electrolyzers. Its nominal thickness at 50 kPa is 2.20 (± 0.10) mm.

LINQCELL GDL2200 offers low through-plane electrical resistivity and voltage loss, which are crucial for excellent electrical performance during fuel cell or water electrolysis operations. Its compressibility ensures that it maintains its porous structure, enabling optimal material transport for chemical reactions even under compression. **LINQCELL GDL2200** can be customized to meet specific application needs, including compressibility, plate size, and degree of graphitization. It is available in both low and high graphitization options; higher graphitization increases electrical conductivity, making it most suitable when minimizing impedance is critical.

Specifications

Property	Value	Unit	Test Method
Thickness at 50 kPa	2.20 $\pm$ 0.10	mm	ASTM D645
Nominal Basis Weight	1550 $\pm$ 100	g/m ²	ASTM D646
Through-plane Resistance	<17	m Ω · cm ²	ASTM C611-98
Through-plane Resistivity	<110	m Ω · cm	ASTM C611-98
Voltage Loss at 500 mA/cm ² and 20 N/cm ²	<35	mV	–

Storage and Handling

1. Shelf life is more than 2 years if stored in a dry and cool, well ventilated place at room temperature.
2. Do not leave exposed to moisture and sunlight for long periods of time.
3. Do not throw the plate or put heavy pressure on it and the box to avoid breakage.
4. Do not apply uneven pressure on the sheet.

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