

LINQCELL GFP

Graphite Felt Series



- Available in different thicknesses
- High chemical resistance, electrical conductivity, and open porosity
- Electrode materials for high-temperature redox flow batteries

LINQCELL GFP graphite felt series is made from high-quality polyacrylonitrile (PAN) fibers. These fibers are processed into a non-woven structure, which is then carbonized and graphitized. The result is a material with exceptional properties: it exhibits high electrical conductivity due to high-temperature treatment above 1000 °C, superior oxidation resistance, and excellent thermal stability. The non-woven structure of **LINQCELL GFP** provides flexibility and resilience, making it adaptable to various applications.

These characteristics make **LINQCELL GFP graphite felts** highly recommended for use as electrodes in redox flow batteries, sodium-nickel chloride (NaNiCl) batteries, electro-synthesis, and sediment microbial fuel cells. **LINQCELL GFP graphite felts'** high open porosity, achieved without the use of resins, facilitates effective charge transfer between the electrolyte and the bipolar plate, particularly in redox flow battery stacks.

LINQCELL GFP is available in three standard thicknesses—2 mm (GFP2000), 3 mm (GFP3000), and 6.5 mm (GFP6500)—and can also be custom-fabricated to meet specific requirements.

Specifications

Property	Unit	GFP2000	GFP3000	GFP6500
Felt Type	–	PAN Graphite		
Thickness	mm	2	3	6.5
Basis Weight	g/m ²	–	–	550±100
Voltage Loss at 500 mA/cm ² and 20 N/cm ²	mV	<35	<35	–
Roll Width	cm	>40	>40	>90

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.

Europe

Industrieweg 15E,
1566JN Assendelft
The Netherlands
Phone: +31 (20) 893 2224
Email: info@caplinq.com

Canada

80 Sirocco Crescent
Ottawa ON, K2S 2C9
Canada
Phone: +1 (613) 482-2215
Email: info@caplinq.com



North America

36927 Schoolcraft Rd
Livonia, MI 48150
United States
Phone: +1 (313) 558-8243
Email: info@caplinq.com

South East Asia

S-08-07 Persiaran Triangle
B Lepas, Penang 11900
Malaysia
Phone: +60 (12) 4302223
Email: info@caplinq.com