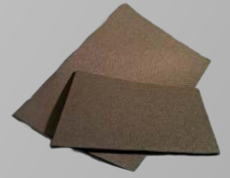




CERAMATERIALS



"Your One Stop Shop for Thermal Processing"

GFE1-Graphite Felt Electrode PAN Graphite Felt

GFF-1 is an ultra high quality PAN-based graphite with specialized fibers and weave that has been treated to achieve high liquid wetting and absorption

This material was specifically developed for the demanding needs of flow battery application. Our proprietary activation process increases active sites and surface area to over 1000+ M²/g

The felt weave results in a smoother surface and a more homogeneous structure for a more stable and consistent electrical performance

GFE-1 is currently a costume run product and can be optimized for the application

Typical Value		GFE-1	
Technical Data	Unit	Index	Note
Thickness	mm	1-15	Made to Order
Thickness Tolerance	mm	+0.35	Max
Width	m	1.25-1.6	Made to Order
Length	m	60-120	Made to Order
Density	g/cc	0.09-0.15	+/- 0.005
Electrical Resistance	Ω-cm	0.275	Max
Carbon Content	%	99.8	Min
Vanadium Liquid (2 mol/L) Adsorption	g/g	17	Min
Dropping Crumbs	%	0.168	MAX

Application

- Redox Flow batter(RFB) Electrodes
- Fuel Cells
- Hybrid Flow Battery Electrodes
- Sensors