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LINQCELL CF400-MP

Carbon cloth

- 0.4mm - 400um - 16mil
- Comes in roll form
- >13 mΩcm^2 TP Resistance

LINQCELL CF400-MP is a 0.4mm thick carbon cloth **with a Microporous layer and PTFE**. It is commonly used as a gas diffusion layer and electrode for fuel cells. Its through-plane resistivity is less than 13 mΩcm^2.

LINQCELL CF400-MP is typically used in PEM fuel cells as well as PA and DM fuel cell applications as a gas diffusion layer. These thinner gas diffusion layers offer good electrochemical performance and can also **lend themselves to AEMFC GDL Anodes.** Thickness has more sensitivity to the AEMFC when used in the anode electrode rather than in the cathode electrode, indicating that water removal at the anode was more challenging than water supply at the cathode so the strategy of water management among electrodes should be differentiated.

Carbon cloth based GDLs have performance equal to that of conventional carbon papers. Carbon cloth is more practical than carbon paper because of its superior compressibility, elasticity, and flexibility performance, making it more appropriate for ongoing manufacturing and assembly processes. Carbon cloths with a Microporous layer can achieve the required performance and provide **an alternative option to carbon paper as GDL.**

Property	Value	Unit
Thickness	0.4	mm
Tensile strength (MD/XD)	10/5.5	N/cm
Basis weight	197	g/m^2
Resistance (TP)	<12.8	mΩcm^2
Permeability (Air)	<54.2	sec
MPL + PTFE	Yes	-

TP: Through plane

Storage and Handling

Shelf life is more than 2 years if stored in a dry and cool, well ventilated place at room temperature.

Do not leave exposed to moisture and sunlight for long periods of time.

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

North America
957 Snowshoe Crescent
Orléans ON, K1C 2Y3
Canada
Phone: +1 (613) 482-2215
Email: info@caplinq.com

United States
847 Sumpter Road #5155
Detroit, MI 48111
United states
+1 (313) 558-8243
Email: info@caplinq.com

Asia
Minle Garden, Baoan dst
Shenzhen City - 51831
China
Phone: +861368608 1428
Email: info@caplinq.com