

ELAT® Gas Diffusion Layers

FuelCellsEtc's ELAT woven carbon cloth gas diffusion layer (GDL) line has been engineered to have state-of-the-art performance over a wide range of operating conditions offering the best of performance at a reasonable price.

Suggest Uses:

- Fuel Cells
- Electrolysis
- Flow through Batteries
- Water clean-up Electrochemistry
- And more!



Property	Value	Hydrophilic ELAT	ELAT LT1400W	ELAT LT2400W
Thickness	micron	406	454	490
Areal Density	g/cm ²	0.013	0.017	0.025
Volumetric Density	g/cm ³	0.346	0.377	0.8
Electrical Conductivity*	mΩcm ²	0.1	0.17	0.002 Ωcm (bulk)
Air Permeance	L/(m ² *sec*Pa)	2.156	0.104	10 ml/(cm ² *sec)
Porosity	%	80	63	31 microns
Carbon Content**	%	99.5	99.5	99.5
Microporous Layer	N/A	No	Single Sided	Double Sided

* Through plane, 400 lb load, 100 cm² sample

** In woven, variable in coating for hydrophobicity

Catalyzed ELAT also available with a typical two to three day lead time.