

AvCarb® MGL Carbon Papers for Gas Diffusion Layers

Moving Energy with Carbon

AvCarb MGL Carbon Papers

AvCarb® MGL190, MGL280 and MGL370 are superior carbon papers for fuel cell and electrolyzer applications. The new products demonstrate advantages over industry standard products, including:

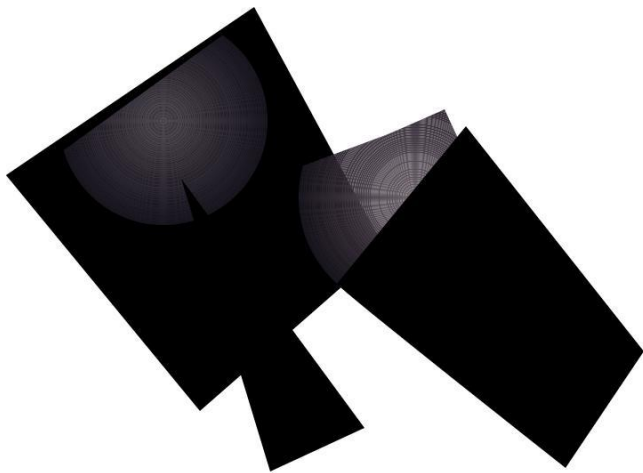
- ▶ Lower electrical resistivity
- ▶ Higher flexural/tensile strength
- ▶ Improved thickness uniformity
- ▶ Higher purity; improved durability
- ▶ USA made

With comparable property and performance data, MGL products can be used interchangeably with other industry standard carbon papers.

**Both products are available in volume at sizes up to 550 mm x 550 mm.
Call 978.454.5301 to discuss your application requirements.**



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AvCarb MGL—Comparative Data							
Properties	Unit	Competitive Product 1	AvCarb MGL190	Competitive Product 2	AvCarb MGL280	Competitive Product 3	AvCarb MGL370
Thickness (@50kPa)	mm	0.19	0.19	0.28	0.28	0.37	0.37
Bulk Density	g/cm ³	0.44	0.44	0.45	0.44	0.45	0.46
Porosity	%	78	78	78	78	78	78
Gas Permeability	m ³ ml m / (cm ² *hr*mmaq)	1900	1900	1700	1700	1500	1500
Gas Permeability	Gurley sec	2.1	2.2	3.3	3.3	4.5	4.4
Electrical Resistivity (through plane)	m ² cm	80	75	80	75	80	75
Flexural Strength	MPa	40	45	40	45	40	45
Flexural Modulus	GPa	10	15	10	15	10	15
Tensile Strength	N/cm	50	65	70	85	90	120

