

AvCarb[®] MGL Carbon Papers for Gas Diffusion Layers



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.

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/cm3	0.44	0.44	0.45	0.44	0.45	0.46
Porosity	%	78	78	78	78	78	78
Gas Permeability	mi hm/ (cm2 *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)	y m'Ωcm	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

AvCarb[®] MGL - Comparative Data

Specifications and descriptions in this document were in effect at the time of publication. AvCarb Material Solutions reserves the right to change specifications, product appearance or to discontinue products at any time. (02/2013)

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