



## ***2050A-1550 Porous Carbon-Carbon Paper***

Spectracarb™ 2050A-1550 GDL is a heavy duty porous graphitized carbon /carbon sheet with low compressibility and with general utility for a range of PEM fuel cell applications, including both commercial and military applications. Special 1550-HT grade also available for use in PAFS fuel cells for higher electrical and thermal conductivities, as well as increased corrosion resistance.

Measurement	Units	Spectracarb 2050A-1550
Sheet size	mm	400 x 400
Thickness	mm	0.350
Basis Weight	g/m <sup>2</sup>	175
Geometric Density	g/cm <sup>3</sup>	0.50
Air Permeability, through-plane	cfm/ft <sup>2</sup>	35
Electrical Resistivity through-plane (@ 200 kPa) in-plane	mΩ·cm <sup>2</sup> mΩ·cm	15 5.4
Thermal Conductivity through-plane (@ 25°C) through-plane (@ 100°C) in-plane (@ 25°C) in-plane (@ 100°C)	W/m·K	3.4 3.6 20.7 24.2
Flexural Strength	MPa	40
Porosity	%	78

A complete list and discussion of Spectracarb Products can be found at [www.Spectracarb.com](http://www.Spectracarb.com)

 <b>Engineered Fibers Technology</b>	<b>Americas</b> Engineered Fibers Technology, LLC 88 Long Hill Cross Road Shelton, CT 06484 USA Tel: +1 (203) 922.1810 Email: <a href="mailto:gdl@eftfibers.com">gdl@eftfibers.com</a>	 <b>capLINQ</b>	<b>Europe, Middle East &amp; Asia</b> CAPLINQ Europe BV Provincialeweg 1 1561 KK Krommenie The Netherlands Tel: +31 (20) 893 2224 Email: <a href="mailto:info@caplinq.com">info@caplinq.com</a>
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