



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 ²	175
Geometric Density	g/cm ³	0.50
Air Permeability, through-plane	cfm/ft ²	35
Electrical Resistivity through-plane (@ 200 kPa) in-plane	mΩ·cm ² 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

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