



2050A-0850 Porous Carbon-Carbon Paper

Spectracarb™ 2050A-0850 GDL is a standard grade GDL used mainly in PEM fuel cells for transportation, including automotive and fuel cell buses, as well as for general development.

Measurement	Units	Spectracarb 2050A-0850
Size	mm	400 x 400
Thickness	mm	0.20
Basis Weight	g/m ²	88
Geometric Density	g/cm ³	0.44
Air Permeability, through-plane	cfm/ft ²	35
Electrical Resistivity through-plane in-plane	mΩ·cm ² mΩ·cm	18 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
Tensile Strength MD XMD	MPa	4.2 2.6
Flexural Strength	MPa	37
Flexural Stiffness	GPa	9.5
Compressive Strength	MPa	2.1

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