



## H23C3

### Description

Freudenberg H23C3 is a flexible and easy to use carbon paper Gas Diffusion Layer (GDL) with a Microporous Layer (MPL) as well as a hydrophobic treatment. It is recommended for low humidity systems, open cathode designs and air systems. It is 290 um (microns) thick.

Freudenberg H23C3 is designed to keep the membrane wet. It is used in high temperature or very dry fuel cell applications.

Freudenberg H23C3 is recommended for:

- Power densities up to 0.5A/cm<sup>2</sup>
- Stationary CHP Low humidified cathodes
- Low Temperature Polymer Electrolyte Fuel Cell (LT-PEMFC) Backup, Air-cooled, and Off-Grid applications

Freudenberg H23C3 is formerly known as H2315 I2 C3.

### Specification

Gas Diffusion Layer Properties	
Material Type	Carbon Fiber Paper
Thickness	.290 mm (290 microns)
Basic Weight (g/m <sup>2</sup> )	150 g/m <sup>2</sup>
Air Permeability (s)	35



Gas Diffusion Layer Properties	
Electrical Resistivity (through plane)	9 mΩcm <sup>2</sup>
Tensile Strength	110 N/50mm
PTFE Treatment	Yes
Microporous Layer	Yes, on one side