

# SIGRACET<sup>®</sup> GDL 36AA

Gas Diffusion Layers for PEM Fuel Cells and Electrolyzers

## Material Properties

Properties	Units	Range
Areal weight <sup>1)</sup>	g/m <sup>2</sup>	<b>58 ± 10</b>
(@ 5 psi load) <sup>2)</sup>		225 ± 20
Thickness	µm	<b>185 ± 20</b>
(@ 1 MPa load) <sup>2)</sup>		
TP El. Resistance	mΩ x cm <sup>2</sup>	<b>&lt; 4</b>
(@ 1 MPa load) <sup>3)</sup>		
IP Pressure Drop	bar	<b>&lt; 0,6</b>
(@ 1MPa load) <sup>4)</sup>		

Specified material properties are printed in bold. Additional data presented is provided for information purposes only

Abbreviation/Units: TP = Through plane; IP = In plane; 5 psi = 0.0345 MPa

Note: Values based on the average values measured on ring-shaped samples with inner-/outerdiameter (12/40)mm over the width of the roll and a 2-sigma normal distribution with a 95,4% confidence interval.

<sup>1)</sup> Internal, based on DIN EN ISO 536

<sup>2)</sup> Internal, based on DIN EN ISO 9073

<sup>3)</sup> Internal, based on DIN 51911

<sup>4)</sup> Internal, based on Darcy's Law @ 0,5 slpm

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