

SIGRACET[®] GDL 29AA

Gas Diffusion Layers for PEM Fuel Cells and Electrolyzers

Material Properties

Properties	Units	Range
Areal weight ¹⁾	g/m ²	32 ± 7
(@ 5 psi load) ²⁾		180 ± 20
Thickness	µm	120 ± 20
(@ 1 MPa load) ²⁾		
TP El. Resistance	mΩ x cm ²	< 5
(@ 1 MPa load) ³⁾		
IP Pressure Drop	bar	< 0,4
(@ 1MPa load) ⁴⁾		

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.

¹⁾ Internal, based on DIN EN ISO 536

²⁾ Internal, based on DIN EN ISO 9073

³⁾ Internal, based on DIN 51911

⁴⁾ Internal, based on Darcy's Law @ 0,5 slpm

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