

*Gas Diffusion Layer non-woven fabric*

Material type: **GDL -39BA-**

## Material Properties

Properties	Units	Range
Areal weight <sup>1)</sup>	g/m <sup>2</sup>	<b>54 ± 10</b>
(@ 5 psi load) <sup>2)</sup>		280 ± 30
Thickness	µm	- ± -
(@ 1 MPa load) <sup>3)</sup>		- ± -
(@ 2 MPa load) <sup>2)</sup>		- ± -
TP El. Resistance	mΩ x cm <sup>2</sup>	< <b>5</b>
(@ 1 MPa load) <sup>4)</sup>		
IP Pressure Drop	bar	< <b>1,0</b>
(@ 1MPa load) <sup>5)</sup>		

Specified material properties: <sup>1)</sup> Internal, based on DIN EN ISO 536; <sup>3)</sup> Internal, based on DIN EN ISO 9073; <sup>4)</sup> Internal, based on DIN 51911

Additional data: <sup>2)</sup> Internal, based on DIN EN ISO 9073; <sup>5)</sup> Internal, based on Darcy's Law @ 0,5 slpm

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

Note: Actual values based on the average value 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.

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