

*Gas Diffusion Layer non-woven fabric*

Material type: **GDL -29BA-**

**Material Properties**

| <b>Properties</b>            | <b>Units</b>         | <b>Range</b>    |
|------------------------------|----------------------|-----------------|
| Areal weight <sup>1)</sup>   | g/m <sup>2</sup>     | <b>40 ± 10</b>  |
| (@ 5 psi load) <sup>2)</sup> |                      | 190 ± 30        |
| Thickness                    | µm                   | <b>125 ± 30</b> |
| (@ 1 MPa load) <sup>3)</sup> |                      | 105 ± 30        |
| (@ 2 MPa load) <sup>2)</sup> |                      | < <b>6</b>      |
| TP El. Resistance            | mΩ x cm <sup>2</sup> | < <b>6</b>      |
| (@ 1 MPa load) <sup>4)</sup> |                      | < 0,4           |
| IP Pressure Drop             | bar                  | < 0,4           |
| (@ 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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05 2014/0 E Printed in Germany

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