

*Generic Data Sheet*  
*Typisches Datenblatt*

**SGL TECHNOLOGIES GmbH**  
**Fuel Cell Components**

**®SIGRACET Gas Diffusion Media**

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type **GDL 34 BC**

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**Physical Properties**  
**Physikalische Eigenschaften**

<b>Properties</b> <b>Eigenschaften</b>	<b>Unit</b> <b>Einheit</b>	<b>Typical Value</b> <b>Typ. Meßwert</b>	<b>Variance (2 sigma)</b> <b>Streuung (2 sigma)</b>	
Thickness <sup>1)</sup> Dicke	$\mu\text{m}$	315	+/-	25
Areal Weight <sup>2)</sup> Flächengewicht	$\text{g}/\text{m}^2$	140	+/-	10
Air Permeability <sup>3)</sup> Luftdurchlässigkeit	$\text{cm}^3/(\text{cm}^2 \cdot \text{s})$	0.35	+/-	0.25
Spec. Electr. Resistivity (TP) <sup>4)</sup> Spez. Elektr. Widerstand (TP)	$\text{m}\Omega\text{cm}^2$	< 14		

**This information is based on our present knowledge and is intended to provide general notes on our products. It should therefore not be construed as guaranteeing specific properties of the products described or their suitability for a particular application.**

**Disclosure of the data to third parties or analysis of the materials with written permission only.**

1) TI 522: 3,45 N/cm<sup>2</sup> ( 5psi), sample diameter 30 mm

2) TI 523: sample diameter 30 mm

3) TI 524: Gurley model 4118, 300 cm<sup>3</sup>, 0.1 sq.in orifice, 304 Pa, sample diameter 30 mm

4) TI 533: 2-point measurement, circular (25 mm diameter), gold plated contacts, 100 N/cm<sup>2</sup>