

# Material

## ECO MT0504

black

Diaphragm fabric with PA 6.6

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2/28/2022

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### Physical properties

	nominal range	typical values	
<b>Thickness</b>	1 ±0.1	---	mm
<b>width</b> DIN EN ISO 2286-1	1500 ±100	---	mm
<b>Grammage</b> DIN EN ISO 2286-2	1280 ±160	---	g/m <sup>2</sup>
<b>tensile force</b> DIN EN ISO 1421, Procedure 1, lengthwise Kette/warp	> 2000	---	N/5cm
<b>tensile force</b> DIN EN ISO 1421, Procedure 1, crosswise Schuß/weft	> 2000	---	N/5cm
<b>tensile force - elongation</b> DIN EN ISO 1421, Procedure 1, lengthwise Kette/warp	> 15	---	%
<b>tensile force - elongation</b> DIN EN ISO 1421, Procedure 1, crosswise Schuß/weft	> 20	---	%
<b>bursting pressure</b> DIN EN ISO 13938-1, 50 cm <sup>2</sup>	> 15	---	bar
<b>swelling, weight gain</b> DIN ISO 1817, Isooctan/Toluol (70:30), 72 h, 23 °C, einseitig	< 10	---	%
<b>swelling, weight gain</b> DIN ISO 1817, IRM 902, 72 h, 100 °C, all-sided	> 10	---	%
<b>Temperature range</b>	-35°C to 130°C		

**Declarations of conformity**  
**No data found!**

### Freudenberg

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**No ASTM D2000 properties available**

The given values are based on a limited number of tests on standard test pieces (2mm sheets). The data from finished parts can deviate from above values depending on the manufacturing process and the component geometry.

The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

### Freudenberg

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Technology&Innovation

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