

## TECHNICAL DATA SHEET

### CONDUCTIVE FILAFLEX

#### Description

CONDUCTIVE FILAFLEX is a Thermoplastic Polyurethane elastomer electrically conductive which makes it suitable for wearable devices and other flexible electronics applications.

#### Physical properties

Value	Unit	Test method according to
<u>1.35</u>	<u>g/cm<sup>3</sup></u>	<u>ISO 1183</u>

#### Mechanical properties

Value	Unit	Test method according to
<u>92</u>	<u>Shore A</u>	<u>DIN 53505 – ISO 868</u>

<u>90</u>	<u>MPa</u>	<u>ISO 527</u>
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<u>NB</u>	<u>kJ/m<sup>2</sup></u>	<u>ISO 179</u>
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<u>&gt;100</u>	<u>%</u>	<u>ISO 527</u>
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#### Electrical properties

Value	Unit	Test method according to
<u>&lt;1E1</u>	<u>ohm</u>	<u>ASTM D 257</u>

<u>3.9</u>	<u>Ω-cm</u>	<u>Approx.</u>
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#### Printing properties

Recommended
<u>245-250°C</u>

<u>20 mm/s</u>
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<u>50-60°C</u>
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<u>2-3 mm/s to 40 mm/s</u>
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**Printing speed** should be lower as recommended to get a perfect printing. After each change of material the extruder must be cleaned.

The information provided here is for reference only because the raw materials are from different sources. We request that customers inspect and test our products before using them to satisfy themselves as to contents and suitability.