

# DATA SHEET



## TPE FLEX 3D Filament

This material can be used for production of electrical and electronic equipment. It doesn't contain the restricted substances. The filament complies with the requirements for food contact applications. It is safe for applications in contact with skin.

### Physical properties

| Description        | Method   | Typical value               |
|--------------------|----------|-----------------------------|
| Density            | ISO 1183 | 1.15 g/cm <sup>3</sup>      |
| Melt Flow Index    |          | > 25 g/10 min               |
| Diameter tolerance |          | ± 0,10 mm                   |
| Weight             |          | 900g filament + 250 g spool |

### Mechanical properties

### Typical Value

|                     |         |
|---------------------|---------|
| Tensile strength    | > 5 MPa |
| Elongation at break | > 250 % |

### Chemical properties

### Typical Value

### Test Condition

|   |            |       |
|---|------------|-------|
| Polymer base  | polyolefin |       |
| Resistance against water, acetone, acids, alkalis, alcohols | good       | 25 °C |
| Resistance against oils, greases, car fluids, ozone         | bad        | 25 °C |

| <b>Printing properties</b> | <b>Recommended</b> | <b>Notes</b>                      |
|----------------------------|--------------------|-----------------------------------|
| Print temperature          | 225–245 °C         |                                   |
| Hot pad                    | 50 –60 °C          |                                   |
| Bed adhesive               | Magigoo PP, 3DLac  | Use brim for better bed adhesion. |
| Type of bed                | PEI, mirror/glass  |                                   |
| Speed of printing          | 15–25 mm/s         |                                   |

Recommended settings! It may differ according to the printer and the objectry your own settings before printing.

**Type of spool : 0,9kg**

**Weight of empty spool: 180g**

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