

## Technical data

### KEBABLEND / WR FE 161104 (Development product)\*

KEBABLEND /WR FE 161104 is a special compound based on ABS, with improved sliding and wear behavior as well as low noise development in friction pairing with plastic elements.

**Polymer:** ABS/PC

**ISO designation:** ABS/PC-X

**Productgroup:** Tribocompounds, Functionalized compounds

#### **Brief description of the product family:**

KEBABLEND is a wide range of functional compounds, often tailor-made to customer requirements. Under the trade name KEBABLEND, we market magnetizable, thermally or electrically conductive compounds, high-density injection molding materials, compounds for radiation protection applications, detectable plastics and much more.

#### **Properties:**

amorphous, dimensionally stable, good gliding properties, High wear resistance

#### **Typical areas of application:**

Controls, Actuating elements, Housing, Sliding elements

#### **Industries:**

Automotive, Household appliances, Industry, Agriculture, Mechanical Engineering, Furniture industry, Sports & Recreation

## Physical properties

Density in kg/m <sup>3</sup>   ISO 1183-1	1040.00
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## Mechanical properties

Breaking stress in MPa   ISO 527-1	42.0
Elongation at break in %   ISO 527-1	10.0
Notched impact strength (Charpy) at 23°C in kJ/m <sup>2</sup>   ISO 179-1eA	12.0

## Rheological properties

Shrinkage in flow direction in %   ISO 294-4	0.70
Shrinkage transverse to the flow direction in %   ISO 294-4	0.70

## Thermal properties

Heat deflection temperature HDT (1.80 MPa) in °C   ISO 75-1/-2	120.0
Fire behavior (0.4 mm wall thickness)   IEC 60695-11-10	HB
Fire behavior (0.8 mm wall thickness)   IEC 60695-11-10	HB
Fire behavior (1.6 mm wall thickness)   IEC 60695-11-10	HB

## Thermal properties

Fire behavior (3.2 mm wall thickness) | IEC 60695-11-10

HB

## Electrical properties

Contact resistance in Ohm\*m | IEC 60093

1e+14

Surface resistivity in ohms | IEC 60093

1e+14

**Processing instructions:****Pre-drying recommendation:**

Dryer type: dry air dryer

Temperature: 80 °C

Drying time: 2 – 4 h

**Recommended basic settings:**

Melt temperature: 230 – 270 °C

Mold temperature: 60 – 80 °C

Injection speed: slow – medium

**Legal notices:**

The information in this data sheet is based on our current knowledge and experience. Due to the wide range of possible influences during processing and application of our products, they do not exempt the processor from carrying out his own tests and trials. A legally binding assurance of certain properties or suitability for a specific application cannot be derived from our information.

\* FE products are development products which are still in the trial phase. Technical data may still change in the course of product and process development. No final decision has yet been made on the commercialization of FE products. We reserve the right to discontinue the manufacture of FE products without giving further reasons.

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