

## Technical data

### KEBABLEND / MW FE 200802/3 (development product\*)

KEBABLEND / MW FE 200802/3 is a development product based on PPS for the production of soft magnetic components.

**Polymer:** PPS

**ISO designation:** PPS-MED

**Productgroup:** Magnetic compounds, Functionalized compounds, Shielding 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:**

dimensionally stable, semi-crystalline, soft magnetic

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

#### **Industries:**

Automotive, Electrical and electronics industry, Household appliances, Mechanical Engineering

## Physical properties

Density in kg/m <sup>3</sup>   ISO 1183-1	2670.00
---	---------

## Mechanical properties

E-modulus in MPa   ISO 527-1	10700
Breaking stress in MPa   ISO 527-1	72.0
Elongation at break in %   ISO 527-1	0.80
Impact strength (Charpy) at 23°C in kJ/m <sup>2</sup>   ISO 179-1eU	13.7
Notched impact strength (Charpy) at 23°C in kJ/m <sup>2</sup>   ISO 179-1eA	2.6

## Thermal properties

Melting temperature (DSC, 10°C/min) in °C   ISO 11357-1/-3	281
--	-----

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

Dryer type: dry air dryer.

Temperature: 120 – 130 °C

Drying time: 2 – 3 h

Recommended max. residual moisture: < 0.02 %.

**Recommended basic settings:**

Melt temperature: 300 – 330°C

Mold temperature: 140 – 160°C

Injection speed: medium – high

Holding pressure: high

Back pressure: 40 – 80bar (spec.)

**Machine selection:**

Screw: special injection units for magnetic compounds; low-compression screws with non-return valve

Nozzle: Open nozzle

Wear protection: Wear and corrosion protected according to the machine manufacturer's recommendation suitable for processing magnetic compounds

Injection unit: shot volume = 50-80% of the maximum metering volume

**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.

---

Created at: 18.04.2024

Am Weidenbach 8-10  
51491 Overath

Telefon +49 (0)2206 90851-100  
Telefax +49 (0)2206 90851-199

E-Mail: [kontakt@barlog.de](mailto:kontakt@barlog.de)  
Web: [www.barlog.de](http://www.barlog.de)