

Technical data **KEBATRON PPS FE 210402/1 (development product*)**

PPS-GF40, linear PPS, 40% glass fiber reinforced, approved for food applications according to EU and FDA guidelines.

Polymer: PPS

ISO designation: PPS-L-GF40-FC

Productgroup:

Brief description of the product family:

Under the trade name KEBATRON, we offer a range of high-performance compounds based on PPS. KEBATRON offers a high continuous operating temperature, good ageing behaviour, high strength and stiffness, is inherently flame retardant and has exceptionally good chemical resistance.

Properties:

dimensionally stable, good aging behavior, good fire behavior, high continuous used temperature, High strength, hydrolysis stable, semi-crystalline

Typical areas of application:

Covers, Electronic components, Housing

Industries:

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

Processing instructions:

Pre-drying:

Dryer type: Dry air dryer (!)

Temperature: 120 – 140 °C

drying time: 4 – 8 h

Recommended max. residual moisture: < 0.02 %.

Recommended basic settings:

Melt temperature: 320 – 340°C

Mold temperature: 140 – 180°C (As a rule of thumb: the higher the requirements, the higher the mould temperature).

Back pressure: < 10 bar (spec.)

General processing instructions:

The injection speed should be set as a slow – fast – slow profile. The basic principle is: as fast as possible, as slow as necessary.

Machine selection:

Wear- and corrosion-protected injection units have proven their worth when processing KEBATRON PPS. The injection unit should be selected so that the shot volume is 50 – 80% of the maximum metering volume. The dwell time should be kept as short as possible.

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 the 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 that 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 commercialisation of FE products. We reserve the right to discontinue the production of FE products without giving further reasons.

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