BARLOG Plastics
Mehr aus Polymer.

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:

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