

Technical data

KEBABLEND / WR 04/2530/2115

KEBABLEND WR 04/2530/2115 is a tribologically modified special compound based on PA66 with 30% glass beads and 15% PTFE. The product is characterized by increased stiffness, isotropic shrinkage behavior, good sliding behavior and high wear resistance.

Polymer: PA 6.6

ISO designation: PA66-GB30-S15

Productgroup: Tribocompounds, Functionalized compounds

Brief description of the product family:

Bei KEBABLEND handelt es sich um ein breites Sortiment funktioneller Compounds, die häufig auf Kundenanforderungen maßgeschneidert zum Einsatz kommen. Unter dem Handelsnamen KEBABLEND vermarkten wir magnetisierbare, thermisch oder elektrisch leitfähige Compounds, Spritzgusswerkstoffe mit hoher Dichte, Compounds für Strahlenschutzanwendungen, detektierbare Kunststoffe und vieles mehr.

Properties:

Low warpage, good chemical resistance, good gliding properties, High wear resistance, impact resistant, semi-crystalline

Typical areas of application:

Sliding elements, Plain bearing, industrial goods, Bearing bushes, Rollers, Rotors, Transport chains, Gears

Industries:

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

Physical properties

Density in kg/m ³ ISO 1183-1	1400.00
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Mechanical properties

E-modulus in MPa ISO 527-1	3500
Breaking stress in MPa ISO 527-1	65.0
Elongation at break in % ISO 527-1	5.0
Notched impact strength (Charpy) at 23°C in kJ/m ² ISO 179-1eA	5.0

Rheological properties

Shrinkage in flow direction in % ISO 294-4	1.50
Shrinkage transverse to the flow direction in % ISO 294-4	1.00

Thermal properties

Melting temperature (DSC, 10°C/min) in °C ISO 11357-1/-3	265.0
Heat deflection temperature HDT (1.80 MPa) in °C ISO 75-1/-2	105.0
Fire behavior (1.6 mm wall thickness) IEC 60695-11-10	HB

Electrical properties	
Contact resistance in Ohm*m IEC 60093	1e+13
Surface resistivity in ohms IEC 60093	1e+14

Processing instructions:

Pre-drying:

Dryer type: dry air dryer

Drying temperature: 80°C

Typical drying time: 4 – 8 hours

Residual moisture content: < 0.1%

Basic settings:

Melt temperature: 280 – 300°C

Mold temperature: 80-120°C

Injection speed: medium – high

Injection unit: The selected barrel capacity should not exceed 2-3 shots to avoid thermal material damage.

Screw: 3-zone screw with non-return valve

Nozzle: Open nozzle or shut-off nozzle

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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