Technical data
KEBABLEND / WR XB 081101

KEBABLEND WR XB 081101 is a special compound based on PA66 that combines high strength and impact strength with good sliding properties and high wear resistance.

Polymer: PA 6.6

ISO designation: PA66-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:

good chemical resistance, good gliding properties, good recovery behavior, High strength, 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/m³ | ISO 1183-1	1270.00

Mechanical properties

E-modulus in MPa | ISO 527-1	4500
Breaking stress in MPa | ISO 527-1	85.0
Elongation at break in % | ISO 527-1	3.8
Impact strength (Charpy) at 23°C in kJ/m² | ISO 179-1eU	40.0

Rheological properties

Shrinkage in flow direction in % | ISO 294-4	0.60
Shrinkage transverse to the flow direction in % | ISO 294-4	1.30

Thermal properties

Melting temperature (DSC, 10°C/min) in °C | ISO 11357-1/-3	260.0
Fire behavior (1.6 mm wall thickness) | IEC 60695-11-10	HB

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 (recommended)

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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