

Technical data

KEBATER PBT A1130 black 019001 (FE 221001*)

PBT+PC, PBT/PC-Blend, 30% GF

Polymer: PBT/PC

ISO designation: PBT/PC-GF30

Productgroup:

Brief description of the product family:

KEBATER ist der Handelsname unseres Sortiments an thermoplastischen Polyestern. KEBATER-Produkte zeichnen sich durch gute Steifigkeit und Festigkeit, hervorragende elektrische Eigenschaften, vorteilhafte Brandeigenschaften und ein gutes Preis-Leistungsverhältnis aus. Das Produktsortiment umfasst PBT und PBT-Blends in verschiedenen Varianten: unverstärkt und glasfaserverstärkt, schlagzäh modifiziert, flammgeschützt, verzugsoptimiert sowie weitere, auf spezielle Anforderungen zugeschnittene Compounds.

Properties:

dimensionally stable, good chemical resistance, Good electrical properties, good gliding properties, High strength, High stiffness, High wear resistance, impact resistant, semi-crystalline

Typical areas of application:

Covers, Apertures, Electronic components, Housing, Plug, Structural components, Connecting elements

Industries:

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

Physical properties

Density in kg/m ³ ISO 1183-1	1490
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Mechanical properties

E-modulus in MPa ISO 527-1	7500
Breaking stress in MPa ISO 527-1	125.0
Elongation at break in % ISO 527-1	2.0
Notched impact strength (Charpy) at 23°C in kJ/m ² ISO 179-1eA	9.0

Thermal properties

Melting temperature (DSC, 10°C/min) in °C ISO 11357-1/-3	225.0
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Processing instructions:**Pre-drying:**

Dryer type: dry air dryer.

Temperature: 100 – 120°C

Drying time: 2 – 4 h

Residual moisture: < 0.02%.

Temperaturen:

Melt temperature: 240 – 270°C

Mold temperature: 40 – 80°C

Back pressure: max. 40 bar (spezifisch)

Injection speed: medium to high

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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