Technical data
KEBALLOY FE 161104 ABS/PC (Development product*)

ABS/PC, non-reinforced, slide-modified, low noise generation during friction pairings

Polymer: ABS/PC

Productgroup: PC/ABS

Brief description of the product family:

The trade name KEBALLOY stands for polymer blends with a special focus on decorative surfaces. The range includes electroplated chrome types, as well as paintable materials. KEBALLOY 3D is a system of materials and painting processes to achieve a 3D effect paint finish.

Properties:

amorphous, dimensionally stable, good gliding properties, paintable, impact resistant

Typical areas of application:

Housing, Sliding elements

Industries:

Automotive, Household appliances

Mechanical properties

E-modulus in MPa | ISO 527-1	2360
Yield stress in MPa | ISO 527-1	37
Elongation at yield in % | ISO 527-1	4.5
Elongation at break in % | ISO 527-1	25.0
Impact strength (Charpy) at 23°C in kJ/m² | ISO 179-1eU	70.0
Notched impact strength (Charpy) at 23°C in kJ/m² | ISO 179-1eA	8.0

Physical properties

Density in kg/m³ | ISO 1183	1060.00

Rheological properties

Melt flow rate MFR (test condition) |	240°C / 5kg
Melt flow rate MFR | ISO 1133	11.0

Thermal properties

Fire behavior (0.8 mm wall thickness) | IEC 60695-11-10	HB

Processing instructions:

Pre-drying:

Dryer type: dry air dryer
Temperature: 80 °C
Drying time: 2-4 h
Residual moisture: < 0.02

Temperatures:

Melt temperature: 230 – 260 °C
Mold temperature: 60 – 80 °C

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.

Created at: 24.05.2022

Am Weidenbach 8-10
51491 Overath

Telefon +49 (0)2206 90851-100
Telefax +49 (0)2206 90851-199

E-Mail: kontakt@barlog.de
Web: www.barlog.de