

Technical data

KEBALLOY ECO FE 211002 R-PC/ABS

KEBALLOY ECO FE 211002 R-PC/ABS is an unreinforced ABS/PC polymer blend with 30% post-consumer recycled content, developed for the production of chrome-plated components, especially in automotive interiors.

Polymer: ABS/PC

ISO designation: ABS/PC(REC)

Productgroup: PC/ABS, Recycling Compounds

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, paintable, impact resistant, chrome-plated, PFAS-free

Typical areas of application:

Controls, Housing, Handles, Trim

Industries:

Automotive, Household appliances

Physical properties

Humidity absorption 23°C/50% r.h. in %. in Anlehnung an ISO 62	0.2
Density in kg/m ³ ISO 1183-1	1080

Mechanical properties

Tensile modulus in MPa ISO 527-1	2300
Stress at yield in MPa ISO 527-1	50
Strain at yield in % ISO 527-1	3.5
Strain at break in % ISO 527-1	25
Impact strength (Charpy) at 23°C in kJ/m ² ISO 179-1eU	N.B.
Notched impact strength (Charpy) at 23°C in kJ/m ² ISO 179-1eA	35

Rheological properties

Melt flow rate MFR (test condition)	240°C / 5kg
Melt flow rate MFR in g/10min ISO 1133	10
Molding shrinkage in flow direction in % ISO 294-4	0.55

Rheological properties

Molding shrinkage transverse to the flow direction in % | ISO 294-4

0.55

Thermal properties

Burning behavior at thickness 0.4 mm | IEC 60695-11-10

HB

Processing instructions:

Pre-drying:

Dryer type: Dry air dryer

Temperature: 100 – 110 °C

Drying time: 2-4 h

Residual moisture: < 0.02

Temperatures:

Melt temperature: 240 – 280°C

Mold temperature: 70 – 100 °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 the processing and application of our products, they do not exempt the user 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 that 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 commercialisation of FE products. We reserve the right to discontinue the production of FE products without giving further reasons.

Created at: 24.08.2026

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