Technical data
KEBABLEND / FE 240801/3 PA12 grey A01-7045R

KEBABLEND / FE 240801/3 PA12 grey A01-7045R is a Glass balls reinforced PA12-Compound.

Polymer: PA 12

ISO designation: PA12-GB

Productgroup: PA

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, High strength, High weather resistance, semi-crystalline, approved for food contact (EU and FDA), PFAS-free

Typical areas of application:

Connecting elements, Fittings, Fasteners, Hardware, Actuating elements, Pipe fitting, Housing, Handles, industrial goods, Couplings, media-carrying components, shockproof housing, Structural components, Carrier, Valves

Industries:

Automotive, Electrical and electronics industry, Household appliances, Industry, Agriculture, Mechanical Engineering, Furniture industry, Sports & Recreation

Physical properties

Density in kg/m³ | ISO 1183-1	1540

Mechanical properties

Tensile modulus in MPa | ISO 527-1	3700
Strain at yield in % | ISO 527-1	5
Strain at break in % | ISO 527-1	10
Impact strength (Charpy) at 23°C in kJ/m² | ISO 179-1eU	70
Notched impact strength (Charpy) at 23°C in kJ/m² | ISO 179-1eA	4

Rheological properties

Melt flow rate MFR (test condition) |	240°C / 2,16kg
Melt flow rate MFR in g/10min | ISO 1133	8

Thermal properties

Melting temperature (DSC, 10°C/min) in °C | ISO 11357-1/-3	178

Processing instructions:

Pre-drying:

Dryer type: dry air dryer
Temperature: 80°C
Drying time: 4 h

Temperatures:

Melt Temperature: 270 – 280°C
Mold temperature: 60 – 100 °C
Injection speed: medium – high
Back pressure: 80bar (spec.)

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: 22.05.2026

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