BARLOG Plastics
Mehr aus Polymer.

Technical data
KEBABLEND / H 49.1800 PA12

KEBABLEND / H 49.1800 PA12 is a functional compound based on PA12 with high density.

Polymer: PA 12

ISO designation: PA12-MED

Productgroup: Compounds with high density, 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:

dimensionally stable, High density, semi-crystalline, PFAS-free

Typical areas of application:

Industries:

Electrical and electronics industry, Industry, Mechanical Engineering, Medical Technology

Physical properties

Density in kg/m³ | ISO 1183-1	4900

Mechanical properties

Tensile modulus in MPa | ISO 527-1	3600
Stress at break in MPa | ISO 527-1	20
Strain at break in % | ISO 527-1	1
Impact strength (Charpy) at 23°C in kJ/m² | ISO 179-1eU	5.5
Notched impact strength (Charpy) at 23°C in kJ/m² | ISO 179-1eA	2.6

Thermal properties

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

Processing instructions:

Pre-drying:

Dryer type: dry air dryer
Temperature: 80°C
Drying time: 3-4 h
Residual moisture content: < 0,1%

Recommended basic settings:

Melt temperature: 260 – 280°C
Mold temperature: 40-80°C
Injection speed: medium – high

Machine selection:

Screw: Wear-protected 3-zone screw with non-return valve
Nozzle: Open nozzle
Injection unit: The selected barrel capacity should not exceed 2 – 3 shots to avoid thermal material damage.

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

Am Weidenbach 8-10	Telefon +49 (0)2206 90851-100	E-Mail: kontakt@barlog.de
51491 Overath	Telefax +49 (0)2206 90851-199	Web: www.barlog.de