BARLOG Plastics
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Technical data
KEBABLEND / EC FE 190801 TPE (Development product*)

KEBABLEND / EC FE 190501 TPE is a TPE-S with a Shore hardness of D 45. It has good electrical conductive properties.

Polymer: TPE-S

ISO designation: TPS-SEBS-CD

Productgroup: Electrically conductive compounds, 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:

electrically conductive, flexible, Good electrical properties, good gliding properties, High wear resistance, PFAS-free

Typical areas of application:

Sealing elements, Spring elements, Sliding elements, Haptic components, industrial goods

Industries:

Automotive, Household appliances, Industry, Agriculture, Mechanical Engineering, Sports & Recreation

Physical properties

Density in kg/m³ | ISO 1183-1	1040

Mechanical properties

Stress at break in MPa | ISO 527-1	10
Strain at break in % | ISO 527-1	270
Shore A hardness | DIN ISO 7619-1	95
Shore D hardness | DIN ISO 7619-1	45

Electrical properties

Volume resistivity in Ohm*m | IEC 60093	6e-1

Processing instructions:

Pre-drying:

Dryer type: dry air dryer
Temperature: 80°C
Drying time: 3 – 4 h
Residual moisture content: < 0.02%.

Temperatures:

Melt temperature: 220 – 270°C
Mold temperature: 20 – 60°C

The relatively high viscosity requires high injection speeds and medium injection pressure. To avoid high internal stresses, and to improve 2K adhesion, the holding pressure should be kept as low as possible, and the holding times of injection pressure and holding pressure should be as short as possible.

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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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