BARLOG Plastics
Mehr aus Polymer.

Technical data
KEBAFLEX / E 50.2

TPE-V, Shore A50

Polymer: TPE-V

ISO designation: TPE-V

Productgroup: TPE

Brief description of the product family:
Under the trade name KEBAFLEX / E we market a range of thermoplastic elastomer compounds based on EPDM/PP. KEBAFLEX / E is available in various Shore hardnesses from A35 to D50 and is often used as a substitute for rubber due to its cost-effective processing by injection molding. It is soft and flexible, freely colorable, shows good elastic behavior up to 120°C and offers a pleasant feel.

Properties:

flexible, good haptics, easy flow, semi-crystalline, soft, PFAS-free

Typical areas of application:

Seals, Bellows, Haptic components

Industries:

Automotive, Household appliances, Mechanical Engineering

Physical properties

Density in kg/m³ | ISO 1183-1	960

Mechanical properties

Stress at break in MPa | ISO 527-1	5
Strain at break in % | ISO 527-1	550
Compression set at 70°C in %. | ISO 815-1	34
Compression set at 100°C in % | ISO 815-1	39
Stress at 100% elongation in MPa | DIN EN ISO 527-1	1.7
Stress at 300% elongation in MPa | DIN EN ISO 527-1	3.4

Thermal properties

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

Processing instructions:

Pre-drying recommendation:

Dryer type: dry air dryer
Temperature: 80 – 90°C
Drying time: 2 – 4 h

Temperature recommendation:

Melt temperature: 195 – 230°C
Mold temperature: 25 – 50°C

Dwell time on the machine:

Aim for short dwell time, empty cylinders when production is interrupted, lower temperature, flush with fresh material when restarting.

The relatively high viscosity requires high injection speeds and medium injection pressure. To avoid high internal stresses, which can have a negative effect on the heat resistance of the components, the holding pressure must be kept as low 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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