BARLOG Plastics
Mehr aus Polymer.

Technical data
KEBAFLEX / SG 25 A.1

TPE-S, Shore A25, natural

Polymer: TPE-S

ISO designation: TPS-SEBS-MD

Productgroup: TPE

Brief description of the product family:

Unter dem Handelsnamen KEBAFLEX / S vertreiben wir ein Sortiment an thermoplastischen Elastomer-Compounds auf Basis SEBS/PP. KEBAFLEX / S ist in verschiedenen Shore-Härten von unter A10 bis über D50 verfügbar und wird wegen der kostengünstigen Verarbeitung im Spritzgussverfahren gerne als Ersatz für Gummi eingesetzt. Es ist weich und flexibel, frei einfärbbar, zeigt ein gutes elastisches Verhalten bis 100°C und bietet eine angenehme Haptik. Es steht ein breites Sortiment an modifzierten Compounds zur Verfügung, z.B. haftungsmodifzierte Typen für 2K-Spritzguss, bedruckbare Typen, Varianten mit optimiertem Druckverformungsrest, usw.

Properties:

flexible, good haptics, semi-crystalline, weich, PFAS-free

Typical areas of application:

Seals, Bellows, Haptic components, Toys

Industries:

Automotive, Household appliances, Mechanical Engineering

Physical properties

Density in kg/m³ | ISO 1183-1	1120

Mechanical properties

Stress at break in MPa | ISO 527-1	2.3
Strain at break in % | ISO 527-1	240

Rheological properties

Molding shrinkage in flow direction in % | ISO 294-4	3.9
Molding shrinkage transverse to the flow direction in % | ISO 294-4	0.1

Processing instructions:

Pre-drying Recommendation:

May be required to remove surface moisture:
Dryer type: dry air dryer
Temperature: 80°C
Drying time: 2 – 4 h
Residual moisture: <0.02

Temperature recommendation:

Melt temperature: 220 – 250°C
Mold temperature: 20 – 40 °C

General processing instructions:

Due to the pronounced structural viscosity of KEBAFLEX / SG 25 A.1, high injection speeds and short injection times should be aimed for. Very good venting of the cavity is a basic requirement for achieving high injection speeds and good surface quality.

The relatively high viscosity requires high injection speeds and medium injection pressure. To avoid high internal stresses and to improve the 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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