

Technical data

KEBAFLEX / U A 85 EF B01 natural

TPE-U, Shore A85, natural, easy flowing

Polymer: TPE-U

ISO designation: TPE-U

Productgroup: TPE

Brief description of the product family:

The trade name KEBAFLEX / U stands for a range of thermoplastic polyurethane elastomers. KEBAFLEX / U is characterized by excellent sliding and wear behavior, suitability for use at elevated temperatures, good UV resistance and high mechanical load-bearing capacity.

Properties:

flexible, good gliding properties, good recovery behavior, High wear resistance, semi-crystalline

Typical areas of application:

Haptic components, Cable sheaths, Rollers, shockproof housing, Timing belt

Industries:

Automotive, Household appliances, Mechanical Engineering

Physical properties	
Density in kg/m ³ ISO 1183-1	1180.00

Mechanical properties	
Breaking stress in MPa ISO 527-1	50.0
Elongation at break in % ISO 527-1	650.0
Notched impact strength (Charpy) at 23°C in kJ/m ² ISO 179-1eA	100.0

Rheological properties	
Shrinkage in flow direction in % ISO 294-4	0.75
Shrinkage transverse to the flow direction in % ISO 294-4	0.40

Processing instructions:**Pre-drying recommendation:**

KEBAFLEX / U must be pre-dried before processing.

Dryer type: dry air dryer

Temperature: max. 90°C

Drying time: 2 - 3 h

Moisture content < 0.02 %.

Temperature recommendation:

Melt temperature: 200 - 220°C

mold temperature: 20 - 50°C

Demolding:

Due to its special properties, KEBAFLEX / U may tend to stick to smooth and polished mold surfaces. Structured surfaces favor the demolding behavior. Alternatively, the mold can be provided with suitable coatings.

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: 23.04.2024

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