BARLOG Plastics
Mehr aus Polymer.

Technical data
KEBAFLEX / E 55.2

TPE-V, Shore A58

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, 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	33
Compression set at 100°C in % | ISO 815-1	38
Shore A hardness | DIN ISO 7619-1	58
Stress at 100% elongation in MPa | DIN EN ISO 527-1	1.8
Stress at 300% elongation in MPa | DIN EN ISO 527-1	2.9

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: 190 – 230°C
Mold temperature: 25 – 50°C

Legal notices:

The relatively high viscosity requires high injection speeds and medium injection pressure. To avoid high internal stresses, 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.

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