

## PROOFMATE E

### Properties:

*PROOFMATE E* elastic compression profiles are round profiles with various diameters based on closed-cell EPDM foam (Ethylene-Propylene-Diene-Monomer), which are available in two different qualities.

A distinction is made between a strongly foamed, soft quality and a slightly foamed, significantly harder quality.

The harder quality comply with material requirements for pipe joint seals used in water and drainage applications according to EN 681, Part 3 (Cellular materials of vulcanized rubber).

*PROOFMATE E* is used as joint sealing profile and for renovation of expansion joints in combination with *VARIOTITE/POLINIT*.

Due to their top-quality material basis *PROOFMATE E* round profiles can also be used in areas that are chemically contaminated or exposed to UV radiation.

### Technical data:

#### Substance data:

##### *PROOFMATE E soft*

Colour	black	
Material basis	EPDM	
Density	approx. 0.6 g/cm <sup>3</sup>	DIN EN ISO 845
Shore A hardness	30 ± 5	DIN 53505
Tensile strength	≥ 2.0 N/mm <sup>2</sup>	DIN 53504
Elongation at break	≥ 400 %	DIN 53504
Temperature resistance	-30 to +100°C	
Diameter	16, 20, 25, 30 mm	

#### Ageing 7d / 70°C rel. change:

Tensile strength	± 15 %	DIN 53508
Elongation at break	± 15 %	

#### Ozone resistance:

0.5 ppm/48 h/RT	0 cracking	DIN ISO 1431-1
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#### Compression set

72 h at RT	≤ 25 %	DIN ISO 815
24 h at 70°C	≤ 45 %	

#### Substance data:

##### *PROOFMATE E hard*

Colour	black	
Material basis	EPDM	
Density	approx. 0.8 g/cm <sup>3</sup>	DIN EN ISO 845
Shore A hardness	35 ± 5	DIN 53505
Tensile strength	≥ 3.0 N/mm <sup>2</sup>	DIN 53504
Elongation at break	≥ 350 %	DIN 53504
Temperature resistance	-40 to +120°C	
Diameter	20, 25, 30, 40, 45, 60 mm	

#### Ageing 7d / 70°C rel. change:

Tensile strength	± 15 %	DIN 53508
Elongation at break	± 15 %	





**Test certificates:**

Verification of sound insulation of joint filler - *PROOFMATE E* compression profile; ift Rosenheim 2010

*PROOFMATE E 30/40* - Tightness test of a compression profile with round diameter based on EPDM foam; MFPA Leipzig 2011

*PROOFMATE E 30/25* - Tightness test of a compression profile with round diameter based on EPDM foam; MFPA Leipzig 2011

Determination of compressive stress (recovery) at different compressions and compression modulus of a joint sealing profile; MPA NRW Dortmund 2013

**Legal notice:**

The correct and thus successful application of our products is not subject to our control. A guarantee can be issued for the quality of our products within the framework of our sales and supply conditions, however not for successful processing. All data and specifications in this specification sheet are based on the present state of the art and the right to changes and adaptations for the sake of development remains explicitly reserved. The consumption specifications designated by us can be only average empirical values, where deviations are possible on an individual basis and therefore cannot be excluded by us.

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