

Characteristics and features

- EPDM quality for drinking water applications
- peroxide cured, conform to FDA 21§177.2600
- Elastomerleitlinie KTW
- Elastomerleitlinie W270 approved
- rebound > 40%
- PAK according AfPS GS 2014: Cat.1

A-KT 55-00

All our products are:

- PAH-free (EU 1272/2013)
- REACH conform
- Nitrosamin free
- RoHS II conform

Technical data sheet

Polymer		DIN ISO 1629	EPDM
Colour			black
Shore hardness	[ShA]	ISO 7619-1 / 3s	55 ± 5
Density	[g/cm ³]	DIN EN ISO 1183 / ISO 2781	1,07 ± 0,02
Tensile strength	[N/mm ²]	ISO 37	> 7
Elongation at break	[%]	ISO 37	> 150
Temperature resistance	[°C]		-30°C to 130°C
Tear strength	[N/mm]	DIN ISO 34-1 A	> 1,0
Compression set *	[%]	ISO 815	< 15
Fire resistance **		FMVSS 302	B (hardly inflammable)
Ozone resistance ***		ISO 1431-1	ozone resistant
Spec. Volume resistance	[Ωcm]	VDE 0303-30	isolating

* 24 h / 70 °C; ** tested at bei 2 mm; *** 50 pphm, 40°C, 72 h, 20% Elongation

Resistance



Stand: 17.01.2018 / issue: 4

Important information:

The listed test values and data are based on results of many years of development, tests and proving. A characteristics warranty and guaranteed function can't be derived from the information given. It is within the user's responsibility to test the selection of material in a specific application to ascertain his intended operational capability. Technical changes within the product development are subject to change.

This edition supersedes all previous data sheets.