

## Technical Data Sheet

## A-KT 70-00

- EPDM material for drinking water applications (ethylene propylene diene monomer rubber)
- Certification of KTW and DVGW W270
- WRAS certificated
- PAK content in accordance with Kat. 2 of ZEK 01 2-08)
- Peroxide cured

### Technical Data

Polymer	DIN ISO 1629		EPDM
Colour			black
Temperature resistance heat		[°C]	+ 130
Temperature resistance cold		[°C]	- 50
Shore hardness A	DIN 53 505 ISO 7619		70 ± 5
Density	DIN EN ISO 1183 ISO 2781	[g/cm <sup>3</sup> ]	1.08 ± 0.02
Tensile strength	DIN 53 504 ISO 37	[N/mm <sup>2</sup> ]	approx. 10.0
Elongation at break	DIN 53 504 ISO 37	[%]	approx. 190
Compression set 24 h / 70 °C	DIN 53 517 ISO 815	[%]	approx. 10.0
Ozone resistance 50 pphm, 40 °C, 72 h, 20 % elongation	ISO 1431-1		ozone resistant
Special volume resistance	DIN IEC 60093		antistatic

### Applications

In the automotive industry, e.g. for sealing profiles in doors and luggage compartments, for windows and headlights, bumper buffer, hoses and gasket elements. Due to its good resistance to hot water also in washing machines and dishwashers for gaskets and hoses. In addition, because of its good resistance to weathering as an excellent elastomer for construction profiles compared to CR.

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### Resistances

 heat resistance	 cold flexibility	 weather/ozone	 light	 tensile strength	 impact resilience
 abrasion resistance	 fuel resistance	 diesel resistance	 drinking water quality	 water at 100°	 fire resistance
 oil resistance	 bases resistance	 acid resistance	 gas permeability	 antistatic	 plexiglass compatibility

### Delivery forms

The material is available in rolls.

- Length max 10 m
- Width 1,400 mm
- Thickness 2 mm  
3 mm  
5 mm

Other sizes and cut-to-size pieces upon request.

The technical data (average values) as well as material information are based on our present knowledge and experiences. They free the user because of the fullness of possible influences by the application of our products, however, not from own tests and attempts in the approach of the real application. Because of the peculiarities of every individual case we can take over no liability for our indications. On request we are available gladly with information.