

Material name, short description	EPDM
Material name, based on technical standards	Ethylene-propylene-diene rubber
Material description / intended use	Elastomer with good resistance to hot water and vapour as well as UV and ozone.
Color	black
Compound code	EPDM 70.303-04
Old, but still valid compound code	EPDM 70.303-02
Crosslinking/curing agent	Sulfur

Mechanical properties

Hardness nominal	70 ±5 Shore A ISO 48-4
Density nominal	1.11 g/cm ³ ISO 1183-1
Tensile strength	11 ISO 37-Typ 2
Elongation at break	300 % ISO 37-Typ 2
Compression set	15 % DIN ISO 815 72 h, 23 °C
	20 % DIN ISO 815 24 h, 70 °C

Thermal properties

Operating temperature min. static*	-30 °C
Operating temperature max.*	90 °C
Operating temperature max. short term*	110 °C

* Approximate value, dependent on the application

Air aging 1

Test parameter	168 h, 70 °C
Test standard	ISO 188
Value change	Hardness: 5 Shore A Tensile strength: 10 % Elongation at break: -15 %

Ozone test

Ozone concentration	200 pphm
Test standard	ISO 1431-1
Duration of test	48 h
Temperature during test	40 °C
Test result	PASSED

Approvals / Compliance

Drinking water	UBA Conformity for drinking water cold and warm water (till 60°C) Product group P2
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In compliance with **RoHS** and **REACH** directives.

This information is based on our available data. These values are measured on standard test specimens and are within the normal tolerance range of material properties and do not represent guaranteed property values. Therefore they shall not be used for specification purposes. The customer is solely responsible for quality and suitability of material for his application. He has to test usage and processing prior to use. Angst+Pfister makes no guarantees for the suitability of the material for any given application and assumes no obligation or liability in connection with the information provided above.