

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 70.75-01
Crosslinking/curing agent	Sulfur

Mechanical properties

Hardness nominal	70 ±5 Shore A ISO 7619
Density nominal	1.32 ±0.03 g/cm ³ ISO 2781
Tensile strength	6 N/mm ² ISO 37-1
Elongation at break	270 % ISO 37-1
Compression set	40 % ISO 815-1 24 h, 70 °C
Tear resistance	10 N/mm ISO 34-1C

Thermal properties

Operating temperature min.*	-30 °C
Operating temperature max.*	100 °C

* Approximate value, dependent on the application

Storage in medium 1

Medium	Water
Test parameter	72 h, 100 °C
Test standard	ISO 1817
Value change	Hardness: -5 Shore A Volume: +5 %

Ozone test

Ozone concentration	100 pphm
Test standard	ISO 1817
Duration of test	70 h
Temperature during test	30 °C
Elongation during test	50 %
Test result	PASSED

Air aging 1

Test parameter	72 h, 100 °C
Test standard	ISO 188
Value change	Hardness: 8 Shore A Tensile strength: -20 % Elongation at break: -40 %

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.