

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 50.303-01
Crosslinking/curing agent	sulfur

Mechanical properties

Hardness nominal	50 ±5 Shore A
Density nominal	1.05 ±0.03 g/cm ³
Tensile strength	8 N/mm ²
Elongation at break	500 %
Compression set	45 % DIN ISO 815 22 h, 100 °C
	25 % DIN ISO 815 22 h, 70 °C

Thermal properties

Operating temperature min. static*	-50 °C
Operating temperature min. dynamic*	-40 °C
Operating temperature max. short term*	120 °C

* Approximate value, dependent on the application

Air aging 1

Test parameter	70 h, 100 °C
Test standard	DIN 53508
Value change	Hardness: +5 Points Tensile strength: -10 % Elongation at break: -30 %

Ozone test

Ozone concentration	200 pphm
Duration of test	48 h
Temperature during test	40 °C
Relative humidity during test	48 %

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.