

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	
Compound code	EPDM 85.87-01

Mechanical properties

Hardness nominal	85 ±5 Shore A DIN EN ISO 868
Density nominal	1.19 ±0.03 g/cm ³ DIN EN ISO 1183
Tensile strength	8.2 N/mm ² DIN 53504
Elongation at break	195 % DIN 53504
Compression set	18 % DIN ISO 815 22 h, 100 °C
Tear resistance	5 N/mm DIN ISO 34-1
Rebound resilience	35 % DIN 53512

Air aging 1

Test parameter	168 h, 100 °C
Test standard	DIN 53508
Value change	Hardness: +1 Points Tensile strength: +5 % Elongation at break: 0 %

Thermal properties

Operating temperature min.*	-40 °C
Operating temperature max.*	150 °C

* Approximate value, dependent on the application

Ozone test

Ozone concentration	50 ppm
Test standard	DIN ISO 1431
Duration of test	48 h
Temperature during test	40 °C
Elongation during test	20 %
Relative humidity during test	55 %
Test result	PASSED

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.