

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	white
Compound code	EPDM 60.75-01
Crosslinking/curing agent	sulfur

Mechanical properties

Hardness nominal	60 ±5 Shore A DIN ISO 7619
Density nominal	1.16 ±0.03 g/cm ³ DIN ISO 2781
Tensile strength	212 N/mm ² ISO 37-1
Elongation at break	26 % ISO 37-1
Tear resistance	215 N/mm ISO 34 C

Thermal properties

Operating temperature min.*	-25 °C
Operating temperature max.*	100 °C

* Approximate value, dependent on the application

Storage in medium 1

Medium	Water
Test parameter	70 h, 100 °C
Test standard	DIN ISO 1817
Value change	Hardness: -5 Points Volume: +7 %

Ozone test

Ozone concentration	100 pphm
Test standard	ISO 1431-1
Duration of test	70 h
Temperature during test	30 °C
Relative humidity during test	70 %

Air aging 1

Test parameter	72 h, 100 °C
Test standard	ISO 188
Value change	Hardness: +5 Points Tensile strength: -10 % Elongation at break: -30 %

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.

Approvals / Compliance

Drinking water	D.M. 06/04/04 n°174
Food & Beverage	FDA CFR 21 - 177.2600 "Rubber articles intended for repeated use" a) - e)
	D.M. 21/03/1973
	Regulation EC 1935/2004 (excl. article 15) and EC Regulation 2023/2006 (GMP)
Specific substance statements	ADI free (free of Animal Derived Ingredients) resp. TSE/BSE related substances



EC No.1935:2004



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