

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 70.309-01
Crosslinking/curing agent	Peroxide
Remarks	Very good resistance against: Weather, Ozone, Water and Steam. Good resistance against: Distilled Water, animal and vegetable Oil, Ketone, Base, Air up to 125°C.

Mechanical properties

Hardness nominal	70 \pm 5 Shore A DIN 53505
Density nominal	1.28 \pm 0.02 g/cm ³ DIN 53479
Tensile strength	10 N/mm ² DIN 53504
Elongation at break	125 % DIN 53504
Compression set	20 % DIN 53517 22 h, 125 °C
Tear resistance	25 N/mm ISO 34 C

Thermal properties

Operating temperature min.*	-25 °C
Operating temperature max.*	125 °C

* Approximate value, dependent on the application

Approvals / Compliance

Food & Beverage	FDA CFR 21 - 177.2600 "Rubber articles intended for repeated use" a) - d)
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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.