

EPDM 50 / 80-03-50000

50 ShA / sulfur crosslinked / FDA / black

- Ethylene propylene diene rubber
- Terpolymer of ethylene, propylene and diene
- Standard material, FDA compliant
- Excellent resistance to weathering, ageing, ozone, chemicals, hot water, steam.
- Very good heat resistance, good behaviour at low temperatures.

Property	Value	Unit	DIN Standard
Hardness	50 ±5	Shore A	DIN ISO 7619-1
Density	1,08 ±0,03	g/cm ³	DIN EN ISO 1183-1 A
Tensile strength at 100% elongation	–	N/mm ²	DIN 53504
Elongation at break	629	%	DIN 53504
Tensile strength	15,8	N/mm ²	DIN 53504
Compression set 70°C/24h	21	%	DIN ISO 815-1 B
Rebound resilience	50	%	DIN ISO 53512
Tear resistance	10,7	N/mm	DIN ISO 34-1 A
Tear resistance	18,3	N/mm	DIN ISO 34-1 B
min. operating temperature	-45	°C	static
min. operating temperature	-40	°C	constantly
max. operating temperature	+110	°C	constantly
max. operating temperature short	+140	°C	couple of hours

FDA confirmation

We hereby confirm that the above quality, in short-term contact with foodstuffs, conforms to FDA 21 CFR 177.2600, Category IV. (However, also not in possible contact with oily and fatty foods).

Since due to technically unavoidable conditions or delivery forms of the raw materials, the elastomer-mixtures contain traces of substances not listed in these recommendations and guidelines. On every In this case the prescribed tests shall be carried out on the finished part.

All above stated data result from random tests which were taken from the ongoing production. All data were established based on standard test-specimen according to ISO, DIN and ASTM standards and can basically not be carried over to the construction element.

Our applied technical advice, either oral, written or through tests is given according to our best knowledge. However, this information is to be considered as non-obligatory instruction, also in terms of any protective rights of a third party, and does not exempt you from testing our product in reference to its suitability for the intended process and purpose. Utilisation, application and processing of the products occur entirely outside of our control and are therefore exclusively your responsibility. However, should a case of liability come into question, it will be limited to all damages in the value of the product which we delivered and you used. By all means, we do warrant the impeccable quality of our products in accordance with our general sales and delivery conditions.