

# EPDM 80 / 80-03-80000

80 ShA / peroxide crosslinked / FDA / black

- Ethylene propylene diene rubber
- Terpolymer of ethylene, propylene and diene
- 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	80 ±5	Shore A	DIN ISO 7619-1
Density	1,19 ±0,02	g/cm <sup>3</sup>	DIN EN ISO 1183-1 A
Tensile strength at 100% elongation	--	N/mm <sup>2</sup>	DIN 53504
Elongation at break	≥ 140	%	DIN 53504
Tensile strength	≥ 15	N/mm <sup>2</sup>	DIN 53504
Compression set 70°C/24h	≤ 15	%	DIN ISO 815-1 B
Rebound resilience	46	%	DIN ISO 53512
Tear resistance	4,5	N/mm	DIN ISO 34-1 A
Tear resistance	16,6	N/mm	DIN ISO 34-1 B
min. operating temperature	-45	°C	static
min. operating temperature	-40	°C	constantly
max. operating temperature	+120	°C	constantly
max. operating temperature short	+150	°C	couple of hours

## FDA confirmation

We hereby confirm that the above mentioned quality, in short-term contact with food, conforms to BfR, FDA category IV and the following listed regulations.

## Confirmation according to EU/1935/2004

Regulation (EC)1935/2004 (short: Mat. and objects in contact with food) of Dec. 2004.

Regulation (EU)10/2011 EG-Lebensmittel-Kunststoff-VO (short: Mat. und Gegenstände, die mit Lebensmitteln kontaktt) of January 2011.

Since due to technically unavoidable conditions or delivery forms of the raw materials, the elastomermixtures 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.