

EPDM 50 / 80-03-50012

50 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 | 50 ±5 | Shore A | DIN ISO 7619-1 |
| Density | 1,03 ±0,02 | g/cm ³ | DIN EN ISO 1183-1 A |
| Tensile strength at 100% elongation | – | N/mm ² | DIN 53504 |
| Elongation at break | ≥ 340 | % | DIN 53504 |
| Tensile strength | ≥ 10 | N/mm ² | DIN 53504 |
| Compression set 70°C/24h | ≤ 25 | % | DIN ISO 815-1 B |
| Rebound resilience | 56 | % | DIN ISO 53512 |
| Tear resistance | ≥ 3 | N/mm | DIN ISO 34-1 A |
| Tear resistance | ≥ 8 | N/mm | DIN ISO 34-1 B |
| min. operating temperature | -40 | °C | constantly |
| max. operating temperature | +140 | °C | constantly |

FDA confirmation

We hereby confirm that the above quality, the composition of the compound is compliant with FDA. FDA Code of Federal Regulation, Title 21 (CFR 21), Section 177.2600, "Rubber Articles Intended for Repeated Use", status 01.04.2005

Confirmation according to EU/1935/2004

Regulation (EC) 1935/2004 (short: Mat. and objects in contact with food) of Dec. 2004
 Regulation (EC) No 10/2011 "Plastics in contact with food"

Due to technically unavoidable conditions or delivery forms of the raw materials, the elastomer compound may 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.