

FPM 53 / 80-01-V5000

53 ShA / bisphenolic crosslinked / FDA / green

- Fluorinated rubber
- VITON Type A (approx. 66% fluorine)
- Specification FDA compliant
- Very good temperature resistance, high chemical resistance.
- Excellent resistance to ozone, ageing and weathering.

Property	Value	Unit	DIN Standard
Hardness	50 ±5	Shore A	DIN ISO 7619-1
Density	1,86 ±0,03	g/cm ³	DIN EN ISO 1183-1 A
Elongation at break	343	%	DIN 53504
Tensile strength	9,39	N/mm ²	DIN 53504
Compression set 150°C/24h	11,8	%	DIN ISO 815-1 B
Cold behaviour DSC	ca. -18	°C	VDA 675116
Rebound resilience	9	%	DIN ISO 53512
Tear resistance	4,1	N/mm	DIN ISO 34-1 A
Tear resistance	10,3	N/mm	DIN ISO 34-1 B
min. operating temperature	-15	°C	constantly
max. operating temperature	+220	°C	constantly
Specification	FDA compliant		

FDA confirmation

We hereby confirm that the above quality complies with the following guidelines and regulations:

FDA - Code of Federal Regulation, Title 21 (CFR 21), Section 177.2600, "Rubber Articles Intended for Repeated Use", status 01.04.2005

BfR -Recommendation XXI, "Articles of daily use based on natural and synthetic rubber", Category 4 of Federal Institute for Risk Assessment (formerly BGW)", status 01.04.2004

Conformity can be granted for short term contact of vulcanized parts of the above mentioned quality.

Confirmation according to EU/1935/2004

Conformity also exists with the regulation (EC) No. 1935/2004 and the EU directive 2002/72/EC

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