

FPM 85 / 80-01-85002

85 ShA / bisphenolic crosslinked / FDA / brown

- Fluorinated rubber
- Copolymer / terpolymer, (approx. 66/68.5% fluorine)
- Very good temperature resistance, high chemical resistance.
- Excellent resistance to ozone, ageing and weathering.

Property	Value	Unit	DIN Standard
Hardness	85 ±5	Shore A	DIN ISO 7619-1
Density	2,52	g/cm ³	DIN EN ISO 1183-1
Tensile strength at 100% elongation	4,8	N/mm ²	DIN 53504
Elongation at break	284	%	DIN 53504
Tensile strength	8,4	N/mm ²	DIN 53504
Compression set 175°C/24h	18,3	%	DIN ISO 815-1 B
Cold behaviour DSC	-16	%	VDA 675116
Rebound resilience	7	%	DIN ISO 53512
Tear resistance	7,4	N/mm	DIN ISO 34-1 A
Abrasion	302	mm ³	DIN ISO 4649 B
min. operating temperature	-25	°C	static
max. operating temperature	+220	°C	constantly
max. operating temperature short	+280	°C	couple of hours
Specification	FDA compliant		

FDA confirmation

The above mentioned quality used for the production of consumer goods in contact with food corresponds in the composition of the active ingredients: The Positive List for aqueous foods according to CFR 21 § 177.2600, FDA "Rubber Articles Intended For Repeat Use", of the Food and Drug Administration, USA.

The Positive List for fatty foods (also for milk and edible oils) according to CFR 21 § 177.2600, FDA, "Rubber Articles Intended For Repeate Use", of the Food and Drug Administration, USA.

Confirmation according to EU/1935/2004

The above FDA confirmation enables the EU/1935/2004 release on the finished part.

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. In any case, the prescribed tests must be performed 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.