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## Aflas<sup>®</sup> ED

### Tetrafluoroethylene-propylene-rubber (TFE-P)

TFE-P Copolymer from tetrafluoroethylene and propylene, material in the group of Fluro-elastomers

Standard Colour: **Black**

- Against explosive decompression
- Resistant to mineral oil, HFD-U, HETG = biological base, acid oils and gases, cold water and hot water and steam
- Applicable for Rod and Piston seals, Wiper seals, Rotary seals and Static seals.

Properties	Unit	Test method	Value
Hardness	Shore A	DIN53505	87 ± 5
Density	g/cm <sup>3</sup>	DIN EN ISO 1183-1	1.62
Compression set 70°C/24h	%	DIN ISO 815-1	
Compression set 70°C/70h	%	DIN ISO 815-1	
Compression set 175°C/24h	%	DIN ISO 815-1	40
Elongation at break	%	DIN53504	207
100% modulus	N/mm <sup>2</sup>	DIN53504	18.9
300% modulus	N/mm <sup>2</sup>	DIN53504	11.5
Rebound resilience	%	DIN53512	8
Tear strength	N/mm	DIN53515	3.7
Min. service temperature	°C		-10
Max. service temperature constant	°C		+220
Max. temperature peak	°C		+260/+290

All above stated data results from random tests which were taken from the ongoing production. All data was established based on standard test-products according to ISO, DIN and ASTM standards and can basically not be carried over to the completed seal.

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.