



# PTFE virgin diet

Polytetrafluorethylene virgin

Standard colour: white

- Food compliant PTFE
- Resistant to mineral oil, HFC, HFD-U, HETG=biological base, acid oils and gases, cold water, hot water and steam, diluted acids and bases
- Applicable for static seals, backup rings and guide rings

Properties	Value	Unit	DIN Standard
Hardness	55 ± 3	Shore D	ISO 868
Density	2,160	g/m <sup>3</sup>	DIN 53479
Ball indentation at break	≥ 26	MPa	DIN 53456 H135/30
Tensile strength at break	≥ 27	MPa	ASTM D 4745-79
Elongation at break	≥ 350	%	ASTM D 4745-79
Compressive strength	≥ 4	MPa	DIN 53455
Thermal conductivity	0,08	kJ/m*h*K	DIN 52612
lin. Coefficient of expansion	19	K <sup>-1</sup> * 10 <sup>-5</sup>	
Coefficient of friction	0,08	μ	
Tensile modulus	540	MPa	DIN 53457
min. service temperature	-200	°C	
max. service temperature	+260	°C	

## Confirmation according FDA

Hereby we, Trygonal, Kunststoffinnovationen GmbH, confirm, that all single components used for our compound named «**PTFE virgin diet**» are listed on Code of Federal Regulation of U.S. Food and Drug Administration (FDA), Rockville MD. They are mentioned under following subchapters: **FDA § 177.1550, CFR title 21**

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.