



# PTFE ekonol diet

Polytetrafluorethylene +10% ekonol

Standard colour: beige

- Higher mech. properties such as PTFE virgin
- Resistant to mineral oil, HFC, HFD-U, HETG=biological base, acid oils and gases, cold water, hot water and steam, diluted acids and bases

Properties	Value	Unit	DIN Standard
Hardness	63 ± 3	Shore D	ISO 868
Density	1,56	g/cm <sup>3</sup>	DIN 53479
Tensile at strength at break	13	MPa	ASTM D 4745-79
Elongation at break	180	%	ASTM D 4745 79
Compressive strength	11	MPa	DIN 53455
Thermal conductivity	5,4	kJ/m*h*K	DIN 52612
linear thermal expansion coefficient	8,4	K <sup>-1</sup> * 10 <sup>-5</sup>	
Coefficient of friction	0,18	μ	
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 ekonol 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.