

# 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/cm <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 <sup>2</sup> h <sup>2</sup> 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, M. Wilhelmsen A/S, 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**