



PTFE

Polytetrafluorethylene

Virgin

BTTEFV55D WHITE

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

Mechanical, Physical and Thermal Properties

Properties	Value	Unit	DIN Standard
Hardness	55 ± 3	Shore D	ISO 868
Density	2.160	g/m ³	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 ² h ² K	DIN 52612
Lin. Coefficient Of Expansion	19	K ⁻¹ *10 ⁻⁵	
Coefficient Of Friction	0.08	μ	
Tensile Modulus	540	MPa	DIN 53457
Minimum Service Temperature	-200	°C	
Maximum Service Temperature	+260	°C	

