



SATB

Description

- Double PURE PTFE (sealing/wiper lips)
- Stainless steel metal case
- Silicone static seal

Materials

Elastomer	VMQ
Sealing lips	Food Grade Pure PTFE
Metal case	Stainless steel

Material Code : PTFE FG

(PTFE complies with FDA regulation 21 CFR 177.1550 hence can be used for food contact application)

Revision date : 01/03/2009

Physical properties	nominal	actual	units
Density			
ASTM D 792, 23 °C	2.14 ±0.02	2.14	g/cm ³
Hardness			
ASTM D 2240, 23 °C	50-65	63	Shore D
Tensile strength			
ASTM D 1457, 23 °C	> 45	47	Kg/Cm ²
Elongation at break			
ASTM D 1457, 23 °C	> 250	275	%
Heat Distortion			
Temp at 0.5mpa	---	260	°C
Operating Temp Range	---	-270 to 260	°C

Application parameters

Temperature	-40°C to +200°C
Pressure	max. 7 Bar
Shaft speed	max. 25 m/s
Media	Various

Design information**Shaft**

Tolerance	ISO h11
Hardness	min. 45 - 65 HRC lubricated applications
Roughness	Ra = 0.3 - 0.5 µm lubricated applications
	Ra = 0.2 - 0.4 µm dry running and abrasive media
	Ra ≤ 0.2 µm vacuum

Housing bore

Tolerance	ISO H8
Roughness	Ra = 0.8 µm