OZ VITON Fluoro-rubber Viton

Design Description

Oz Viton has a high chemical resistance and is suitable at high temperatures. But it loses the elasticity at moderate low temperatures. The service temperature range is from -20° C to 200° C.

Example of applications include: lip seals, seals for offshore applications, direct contact with fuel. rotary seals at high velocity and for applications around 200° C.

Features

- Good mechanical resistance
- Superior resistance to hostile environment
- Good weather resistance
- Low compression set
- High temperature resistance

Properties	Specified	Unit	Value
Hardness	DIN 53505	Shore A	87±3
Density	DIN 53479	g/cm3	2.3
Tensile strength	DIN53504	N/mm2	15
Elongation at break	DIN 53504	%	195
Stress ratio 100%	DIN 53504	N/mm2	10
Compression set			
70 °C/24h	DIN 53517	%	5.5
125 °C/24h	DIN 53517	%	6.3
150 °C/h	DIN 53517	%	6
Min application temp		°C	-20
Max application temp		°C	200
Tear strength	DIN 53507	N/mm2	5
Abrasion	DIN 53516	mm2	240
Thermal ageing 24h/230 °			
Shore hardness change	DIN 53505	Shore A	3
Change of tensile strength at break	DIN 53504	%	11
Change of elongation strength	DIN 53504	%	18
Immersion in ASTM OIL #1 accto DIN 53521 70h 150 °C			
Shore hardness change	DIN 53505	Shore A	-2
Volume change	DIN 53521	%	1.9
Change of tensile strength at break	DIN 53504	%	-15
Change of elongaton strength at break	DIN 53504	%	2.6

Quality Certified

CERTIFIED Product Quality