



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 220°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/cm^3	2.3
Tensile strength	DIN 53504	N/mm^2	15
Elongation at break	DIN 53504	%	195
Stress ratio 100%	DIN 53504	N/mm^2	10
Compression set			
70°C /24h	DIN 53517	%	5.5
125°C /24h	DIN 53517	%	6.3
150°C /24h	DIN 53517	%	6
Min. application temp		$^{\circ}\text{C}$	-20
Max application temp		$^{\circ}\text{C}$	200
Tear strength	DIN 53507	N/mm	5
Abrasion	DIN 53516	mm^2	240
Thermal ageing 24h/230 ^o			
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 acc to 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 elongation strength at break	DIN 53504	%	2.6