

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics	Standard	Value
MECHANICAL		
<i>Rubber compound - black</i>		FKM Viton®
<i>Density</i>		1.85 ± 0.05 g/cm³
<i>Hardness</i>	ASTM D2240	70 ± 5 Shore A
<i>Tensile strength</i>	ISO 37	≥ 7 MPa
<i>Elongation at break</i>	ISO 37	≥ 165 %
<i>Compression set after 22 h at 175 °C</i>	ISO 815 - 1	≥ 55 %
TEMPERATURE		
<i>Working temperature</i>		-20/+250 °C
AGEING		
<i>Δ Hardness after 70 h at 150 °C</i>	ASTM D573	≤ 10 Shore A
<i>Δ Tensile strength after 70 h at 150 °C</i>	ASTM D573	≤ -20 %
<i>Δ Elongation at break after 70 h at 150 °C</i>	ASTM D573	≤ -45 %
OIL RESISTANCE		
<i>Oil IRM 901, Δ volumen after 70 h at 150 °C</i>	ASTM D471	≤ 2 %
<i>Oil IRM 901, Δ volumen after 70 h at 150 °C</i>	ASTM D471	≤ 10 %
CHEMICAL RESISTANCE		
<i>Diluted acids and bases</i>	<i>Concentrated acids and bases</i>	OZONE
		Oils and hydrocarbons
VERY GOOD	VERY GOOD	VERY GOOD
		GOOD

FEATURES

Viton® A: % fluorine content.

ADVANTAGES

- Very good chemical resistance
- Excellent hydrocarbons resistance, either aliphatic, aromatic or chlorinated
- Good impermeability to gases
- Excellent air resistance
- Exceptional high temperature resistance
- Excellent ozone resistance
- Excellent resistance to acids and alkalis, including oxidants

BENEFITS

- Reliability
- Economy

APPLICATIONS

Pieces for general purpose applications in contact with following fluids:

- water (> + 80 °C)
- automotive and jet fuel
- aliphatic and aromatic hydrocarbons treatment products and fluids.

DIMENSIONS

Thickness (mm)	Width (mm)	Length (mm)	Weight (mm)	Sides finish (mm)
1 ± 0.3	1400 ± 2%	20 ± 2%	1.85	2 smooth sides
1.5 ± 0.3	1400 ± 2%	15 ± 2%	2.78	2 smooth sides
2 ± 0.3	1400 ± 2%	15 ± 2%	3.70	2 smooth sides
3 ± 0.3	1400 ± 2%	10 ± 2%	5.55	2 smooth sides
4 ± 0.4	1400 ± 2%	10 ± 2%	7.40	2 smooth sides
5 ± 0.4	1400 ± 2%	10 ± 2%	9.25	2 smooth sides
6 ± 0.5	1400 ± 2%	10 ± 2%	11.10	2 smooth sides
8 ± 0.7	1400 ± 2%	5 ± 2%	14.80	2 smooth sides
10 ± 1.0	1400 ± 2%	5 ± 2%	18.50	2 smooth sides

IDENTIFICATIONS

<i>Branding</i>	Without
<i>Packaging</i>	Thickness ≤ 6 mm rolled on cardboard tube Ø 80 mm. Thickness > 6 mm in roll.
<i>Wrapping</i>	Black polyethylene film
<i>Labelling</i>	Self-adhesive label indicating product name, dimensions, area in m ² , nominal weight, and product code to allow product traceability.