

TECHNICAL DATA SHEET

VITON FKM/FPM RUBBER SHEET

Fluorocarbon rubber provides excellent chemical and heat resistance. Thanks to its fluorine content the material is non-flammable. Excellent resistance to most aggressive chemicals, oxygen, ozone, UV radiation, hot oils, petroleum-based substances, petrol, fuels, greases. Not recommended for ketones, chlorocarbons and CFCs. The chemical resistance of Viton results in its wide application. It is suitable for work with a wide range of chemical compounds.

FEATURES

- Superior chemical resistance
- Excellent resistance to hydrocarbons, both aliphatic
- Low gas permeability
- Excellent resistance to high temperature
- Excellent ozone resistance
- Excellent resistance to acids, oxidising and aromatic compounds
- Excellent resistance to ageing and oxidation processes



Hardness (H)		°ShA	70 +/-5
Tensile strength after rupture (TS _b) min		MPa	>7
Tensile strength after rupture (E _b) min		%	>165
Operation temperature		°C	-20 / +200
Resistance to heat ageing in air at 150 °C after 70 h			
Δ Strength change		%	<-45
Δ Elongation change		%	<-20
Δ Hardness change		°ShA	<10
Oil resistance at 150 °C after 70 h			
Oil IRM 901, Δ volume		%	<2
Oil IRM 903, Δ volume		%	<10
Density (p) max		g/cm³	1,85
Chemical resistance			
Dilute acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
Very good	Very good	Very good	Good

The sheets are manufactured in the following dimensions:

Thickness (mm)		Roll width (mm)		Roll length (m)		Weight (kg/m ²)
1	+/- 0,3	1400/1200	+/- 2%	20	+/- 2%	1,85
1,5	+/- 0,3	1400/1200	+/- 2%	15	+/- 2%	2,78
2	+/- 0,3	1400/1200	+/- 2%	15	+/- 2%	3,70
3	+/- 0,3	1400/1200	+/- 2%	10	+/- 2%	5,55
4	+/- 0,4	1400/1200	+/- 2%	10	+/- 2%	7,40
5	+/- 0,4	1400/1200	+/- 2%	10	+/- 2%	9,25
6	+/- 0,5	1400/1200	+/- 2%	10	+/- 2%	11,10
8	+/- 0,7	1400/1200	+/- 2%	5	+/- 2%	14,80
10	+/- 1,0	1400/1200	+/- 2%	5	+/- 2%	18,50

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