

# V733

## FKM VITON™



### FKM VITON™ 70 SHEETING FOR TECHNICAL APPLICATIONS

#### FEATURES

Viton™ A: 66% fluorine content.

#### APPLICATIONS

Pieces for general industrial applications in contact with following fluids:

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

#### 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

#### MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
<b>MECHANICAL</b>				
Rubber compound - black			FKM VITON™	V733
Density			1.85 ±0.05	g/cm <sup>3</sup>
Hardness	ASTM D2240		70 ±5	Shore A
Tensile strength	ISO 37		≥7	MPa
Elongation at break	ISO 37		≥220	%
Compression set after 22h at 175 °C	ISO 815-1		≤55	%
<b>TEMPERATURE</b>				
Working temperature			-20/+250	°C
<b>AGEING</b>				
Δ Hardness after 70h at 150 °C	ASTM D573		≤10	Shore A
Δ Tensile strength after 70h at 150 °C	ASTM D573		≤10	%
Δ Elongation at break after 70h at 150 °C	ASTM D573		≤-25	%
<b>OIL RESISTANCE</b>				
Oil IRM 901, Δ volume after 70h at 150 °C	ISO 1817		≤2	%
Oil IRM 903, Δ volume after 70h at 150 °C	ISO 1817		≤5	%
<b>CHEMICAL RESISTANCE</b>				
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons	
Very good	Very good	Very good	Very good	
<b>IDENTIFICATION</b>				
Branding	Without.			
Packaging	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.			
Wrapping	Black polyethylene film.			
Labelling	Self-adhesive label indicating product name, dimensions, area in m <sup>2</sup> , nominal weight, and product code to allow product traceability.			

Unless typographical error, information and figures of our technical datasheet are based on our experience and laboratory tests according to international standards. This data is intended to be used as a guideline only. Material performance depends on the conditions of use and the final application.

FKM VITON™	FKM VITON™ 70 SHEETING	V733			
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m <sup>2</sup>	SIDES FINISH	
1±0.2	1400±2%	20±2%	1.84	2 SMOOTH SIDES	
1.5±0.25	1400±2%	15±2%	2.76	2 SMOOTH SIDES	
2±0.3	1400±2%	15±2%	3.69	2 SMOOTH SIDES	
3±0.3	1400±2%	10±2%	5.53	2 SMOOTH SIDES	
4±0.4	1400±2%	10±2%	7.37	2 SMOOTH SIDES	
5±0.4	1400±2%	10±2%	9.22	2 SMOOTH SIDES	
6±0.5	1400±2%	10±2%	11.06	2 SMOOTH SIDES	
8±0.7	1200±2%	5±2%	14.76	2 SIDES MATT	
10±1.0	1200±2%	5±2%	18.45	2 SIDES MATT	

