

# V735

## FKM VITON™



### FKM VITON™ SHEETING GREEN FOOD QUALITY

#### FEATURES

Viton™ A, green, food grade, meeting regulation (EC) 1935/2004 (European legislation) and FDA classification (American legislation).

#### REGULATIONS

- Meeting european regulations (EC) n.1935/2004 and 2023/2006
- Material prepared according to the list of ingredients included in the recommendations of the Code of Federal Regulations 21 FDA 177.2600
- IANESCO certificate (Institut français de Poitiers)
- Tested and qualified by BNIC (Bureau National Interprofessionnel du Cognac)
- Quality certificate available under request

#### APPLICATIONS

Gaskets or washers cutting and manufacturing of pieces for general industrial applications in contact with:

- alcoholic beverages, foodstuffs, fatty products, vegetable and animal oils, alcohol, aqueous products, molasses, etc.
- diluted and concentrated acids
- hydraulic oils, fuel oil, automotive and jet fuel, treatment of aliphatic and aromatic hydrocarbons products and fluids
- organic solvents

#### ADVANTAGES

- Very good chemical resistance
- Excellent hydrocarbons resistance, either aliphatic, aromatic or chlorinated
- Good impermeability to gases
- Excellent air resistance
- Excellent heat resistance
- Excellent ozone resistance
- Strong resistance to water and steam up to 150°C
- Excellent resistance to acids and alkalis, including oxidants

#### BENEFITS

- Legality
- Hygiene, cleanliness
- Reliability
- Service life
- Food safety


#### MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
<b>MECHANICAL</b>				
Rubber compound - green			FKM VITON™	V735
Density			1,85 ±0.05	g/cm <sup>3</sup>
Hardness	ASTM D2240		78 ±5	Shore A
Tensile strength	ISO 37		≥10	MPa
Elongation at break	ISO 37		≥200	%
Compression set after 22 at 200 °C	ISO 815-1		≤45	%
<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 903, Δ volume after 70h at 150 °C	ISO 1817		≤10	%
<b>CHEMICAL RESISTANCE</b>				
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons	
Very good	Very good	Very good	Good	

#### IDENTIFICATION

Branding	Without.
Packaging	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.
Wrapping	White 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™ SHEETING	V735			
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m <sup>2</sup>	SIDES FINISH	
2±0.3	1100±2%	4.5±2%	4.56	2 SMOOTH SIDES	
3±0.3	1100±2%	4.5±2%	6.84	2 SMOOTH SIDES	
4±0.4	1100±2%	4.5±2%	7.84	2 SMOOTH SIDES	
5±0.4	1100±2%	4.5±2%	11.4	2 SMOOTH SIDES	

