

V733

FKM VITON™



FKM VITON™ 70 SHEETING FOR TECHNICAL APPLICATIONS

FEATURES

Viton™ A: 66% fluorine content.

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

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	
MECHANICAL				
Rubber compound - black			FKM VITON™	V733
Density			1.85 ±0.05	g/cm ³
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	%
TEMPERATURE				
Working temperature			-20/+250	°C
AGEING				
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	%
OIL RESISTANCE				
Oil IRM 901, Δ volume after 70h at 150 °C	ASTM D471		≤2	%
Oil IRM 903, Δ volume after 70h at 150 °C	ASTM D471		≤5	%
CHEMICAL RESISTANCE				
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons	
Very good	Very good	Very good	Very good	
IDENTIFICATION				
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 ² , nominal weight, and product code to allow product traceability.			

Dystrybucja

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FKM VITON™	FKM VITON™ 70 SHEETING	V733			
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m ²	SIDES FINISH	
1±0.3	1400±2%	20±2%	1.84	2 smooth sides	
1.5±0.3	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	1400±2%	5±2%	14.74	2 smooth sides	
10±1.0	1400±2%	5±2%	18.45	2 smooth sides	

