

FPM (VITON) - Brown (FPM)

FPM is a brown Fluorocarbon elastomer, commonly referred to as VITON (Du Pont) and FPM. FPM materials have a very high resistance to hydraulic fluids, chemicals and a number of organic compounds and operate in temperatures between -20 to +210°C. FPM is highly recommended for applications where it's outstanding resistance to heat, chemicals, weathering and ozone is needed.

PHYSICAL PROPERTIES

Specific gravity	DIN 53479	g/cm ³	2.51
Hardness at 20°C	DIN 53505	Shore A	83
Tensile strength	DIN 53504	N/mm ²	>13
Elongation at break	DIN 53504	%	>200
Compression set 22h/175°C	DIN 53517A	%	7.7
Min. Sevice temperature		°C	-20
Max. Sevice temperature		°C	210

MAIN APPLICATION

Seals (standard and special)
Wipers
Rotary seals
O - Rings, Flange seals and gaskets

CHEMICAL RESISTANCE

Water up to 70°	S
Water up to 90°	S
HFA	R
HFB	R
HFC	S
HFD	R
Mineral Oils	R
Vegetable Oils	R
Fuels	R
Ozone	R
Air up to 100°	R
Air up to 150°	R
Air up to 200°	R

KEY TO CHEMICAL RESISTANCE

R = resistance
S = suitable
U = unsuitable

ANALYSIS AND EVALUATION

The mentioned properties are only valid for testpieces of the corresponding ISO, DIN and ASTM standards. They cannot be directly related to seals, gaskets and other sealing products and should be used only as a general guide.