

**HYDRO SEALING TECHNOLOGY SDN BHD** (426172-P)

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**HYDRO**  
House of Seals

## Material Safety Data Sheet

# RUBBER - FKM ( BLACK )

### General Information

FKM ( BLACK ) is an elastomer based on fluororubber and commonly known as FPM ,VITON. It has outstanding properties in resistance to high temperature, weathering, ozone and many chemicals. FKM ( BLACK ) has good chemical resistance to mineral oils and greases containing sulphur, HFD fluids, crude oil and sour gas.

### Physical Properties

Colour :			black
Hardness at 20° :	DIN 53505	Shore A	85 +/- 2
Density :	DIN 53479	g/cm <sup>3</sup>	1.88
100% Modulus :	DIN 53504	N/mm <sup>2</sup>	>7
300% Modulus :	DIN 53504	N/mm <sup>2</sup>	
Tensile Strength :	DIN 53504	N/mm <sup>2</sup>	>12
Elongation at break :	DIN 53504	%	>180
Rebound resilience :	DIN 53512	%	>7
Tear Strength :	DIN 53515	N/mm <sup>2</sup>	>21
Abrasion :	DIN 53516	mm <sup>3</sup>	<150
Compression set :**	DIN 53517	%	<20
Min. service temperature :		°C	-25
Max. service temperature :		°C	210

Compression set : 175°C, 22 hours.

### Remark

All test methods and values mentioned above are corresponding to ASTM or DIN standards and have been tested on standardized plates in the laboratory. All tests are made under laboratory conditions.