

COMPOUND: F235 FPM - High Pressure (VL)
POLYMER TYPE: Fluorocarbon Rubber FKM90 (+/-5°)

Physical Properties

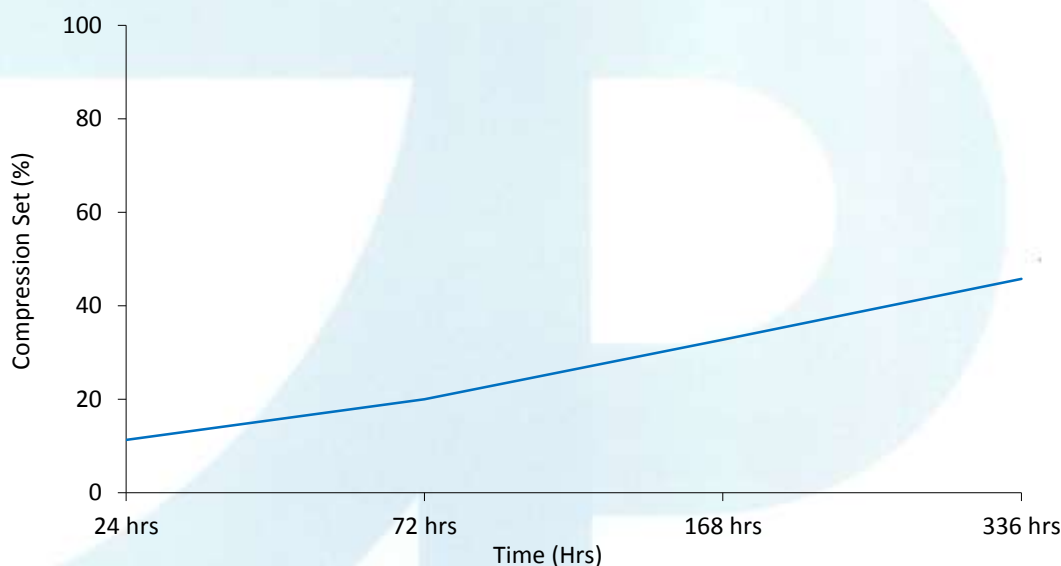
Property	Test Method	Units	Typical Values
COLOUR			Black
HARDNESS	ISO 48	°IRHD	95
TENSILE STRENGTH	ISO 37	MPa	24.33
MODULUS @ 100%	ISO 37	MPa	8.81
ELONGATION @ BREAK	ISO 37	%	190.77
TEAR STRENGTH	ISO 34	N/mm	29.25
SPECIFIC GRAVITY	ISO 2781	g/cm3	1.83

Description

This compound is designed to give the best performance for rapid gas decompression and formulated to meet the requirements of NORSOK standard M-710. It has excellent physical properties for a compound with such a high hardness and is suitable for sealing against a wide range of oils, fuels and chlorinated solvent.
Service Temperature -15°C (5°F) to 200°C (390°F).

Compression Set

Typical Compression Set Values in Air @ 175°C Under 25% Strain (ISO 815)



These properties should not be regarded as specifications, but only as typical properties of the material described. It is intended for use by persons having technical skills and understanding of the seal and gasket design. Since the conditions of use are outside our control, nor have we designed the product shape, we can make no warranties, express or implied and assume no liability in connection with any use of this information.
Since development and improvement of compounds is a continuing process, Gapi reserves the right to modify their composition and characteristics.
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AIR-AGEING

Property (After 168 Hours @ 175°C)	Test Standard	Units	Typical Values
HARDNESS CHANGE	ISO 188	°IRHD	+2
TENSILE CHANGE	ISO 188	%	-5.01
ELONGATION CHANGE	ISO 188	%	-50.35

Property (After 336 Hours @ 175°C)	Test Standard	Units	Typical Values
HARDNESS CHANGE	ISO 188	°IRHD	+1
TENSILE CHANGE	ISO 188	%	-5.98
ELONGATION CHANGE	ISO 188	%	-54.63

ABSORPTION TEST

Property (After 168 Hours @ 100°C)	Test Standard	Units	Typical Values
IRM 901 Oil	ISO 1817		
VOLUME CHANGE		%	+0.68
HARDNESS CHANGE		°IRHD	+2
IRM 903 Oil	ISO 1817		
VOLUME CHANGE		%	+0.91
HARDNESS CHANGE		°IRHD	0
DISTILLED WATER	ISO 1817		
VOLUME CHANGE		%	+3.11
HARDNESS CHANGE		°IRHD	-1