

Compound F263 – (VB)
POLYMER TYPE: Viton® B Fluorocarbon 75

Physical Properties

Property	Test Method	Units	Typical Values
COLOUR			Black
HARDNESS	ISO 48	°IRHD	74
TENSILE STRENGTH	ISO 37	MPa	12.26
MODULUS @ 100%	ISO 37	MPa	2.08
ELONGATION @ BREAK	ISO 37	%	293
TEAR STRENGTH	ISO 34	N/mm	24.5
SPECIFIC GRAVITY	ISO 2781	g/cm3	1.87

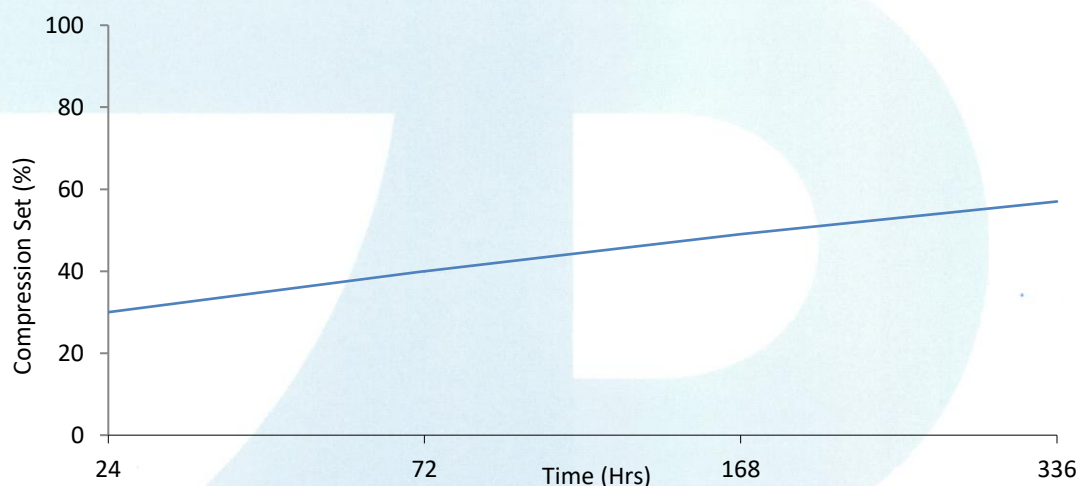
Description

A Viton® B compound suitable for sealing against a wide range of oils, fuels, chlorinated solvents at high temperature. This compound has excellent physical properties. It is not suitable for high temperature aqueous systems.

Service Temperature -15°C (+5°F) to +200°C (+392°F)

Compression Set

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





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AIR-AGEING

Property	Test Standard	Units	Typical Values
(After 168 Hours @ 175°C)			
HARDNESS CHANGE	ISO 188	°IRHD	+2
TENSILE CHANGE	ISO 188	%	+4.08
ELONGATION CHANGE	ISO 188	%	-26.27

Property	Test Standard	Units	Typical Values
(After 336 Hours @ 175°C)			
HARDNESS CHANGE	ISO 188	°IRHD	+2
TENSILE CHANGE	ISO 188	%	+12.6
ELONGATION CHANGE	ISO 188	%	-21.76

ABSORPTION TEST

Property	Test Standard	Units	Typical Values
(After 168 Hours @ 100°C)			
IRM No 1 Oil	ISO 1817		
VOLUME CHANGE		%	+0.61
HARDNESS CHANGE		°IRHD	+1
IRM 903 Oil	ISO 1817		
VOLUME CHANGE		%	+0.71
HARDNESS CHANGE		°IRHD	+1
DISTILLED WATER	ISO 1817		
VOLUME CHANGE		%	+6.28
HARDNESS CHANGE		°IRHD	+2

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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. Uncontrolled Copy.