

COMPOUND: F199 Viton® GFLT LOW TEMPERATURE (VJ)
POLYMER TYPE: Fluorocarbon Rubber FKM75 (+/-5°)

Physical Properties

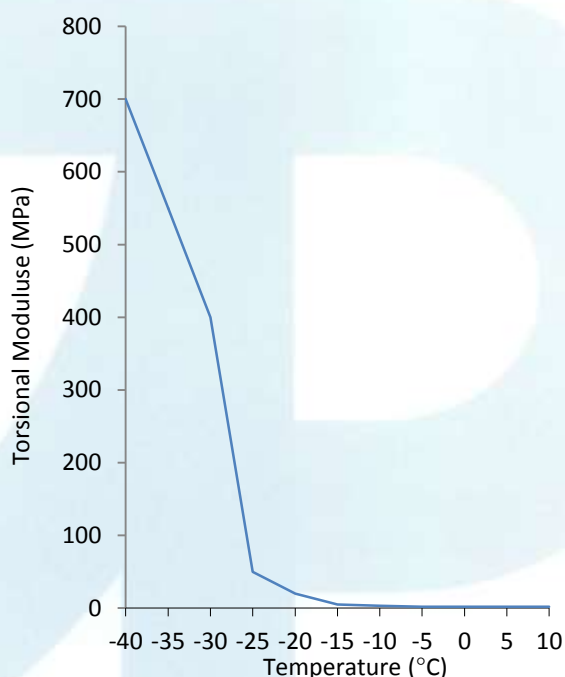
Property	Test Method	Units	Typical Values
COLOUR			Black
HARDNESS	ISO 48	°IRHD	71
TENSILE STRENGTH	ISO 37	MPa	14.8
MODULUS @ 100%	ISO 37	MPa	4.11
ELONGATION @ BREAK	ISO 37	%	193
SPECIFIC GRAVITY	ISO 2781	g/cm3	1.83
COMPRESSION SET 24HRS @ 200°C	ISO 815	%	15

Description

A compound formulated to give improved low temperature performance over other Fluorocarbon grades. Suitable for sealing against a wide range of oils, fuels and chlorinated solvent. It gives excellent resistance to concentrated acids and aqueous chemicals at elevated temperatures. Service Temperatures -25°C to +200°C.

*Viton® is a registered trademark of DuPont Performance Elastomers

Low Temperature Stiffness (Geham Test) ISO 1432



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	+1
TENSILE CHANGE	ISO 188	%	-8.9
ELONGATION CHANGE	ISO 188	%	-18.6

Property (After 336 Hours @ 175°C)	Test Standard	Units	Typical Values
HARDNESS CHANGE	ISO 188	°IRHD	+2
TENSILE CHANGE	ISO 188	%	-11.0
ELONGATION CHANGE	ISO 188	%	-22.1

ABSORPTION TEST

Property (After 168 Hours @ 100°C)	Test Standard	Units	Typical Values
ASTM No 1 Oil	ISO 1817		
VOLUME CHANGE		%	-0.3
HARDNESS CHANGE		°IRHD	+0
IRM 903 Oil	ISO 1817		
VOLUME CHANGE		%	+1.9
HARDNESS CHANGE		°IRHD	+0
DISTILLED WATER	ISO 1817		
VOLUME CHANGE		%	+6
HARDNESS CHANGE		°IRHD	-1