

**COMPOUND: F207 ULTRA LOW TEMPERATURE (VM)**  
**POLYMER TYPE: Fluorocarbon Rubber FKM75 (+/-5°)**

## Physical Properties

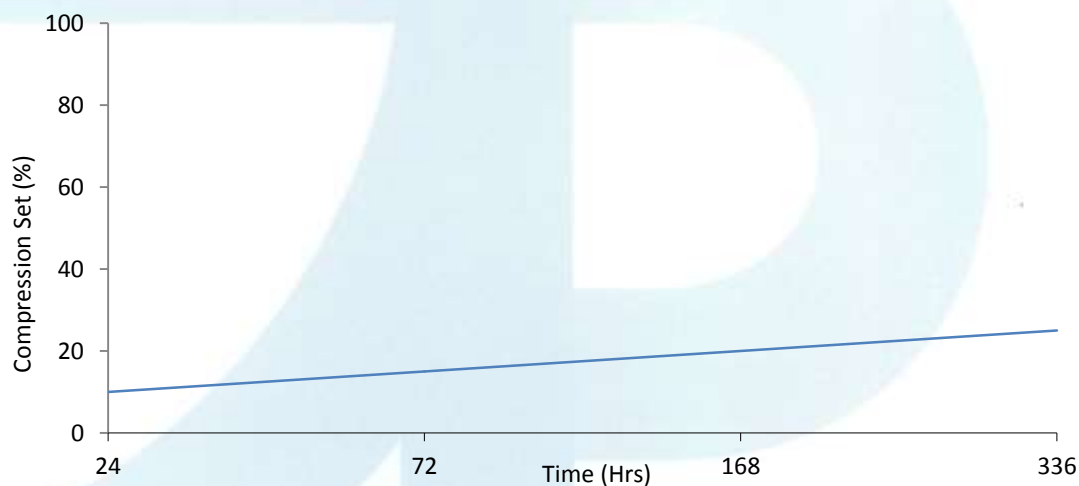
Property	Test Method	Units	Typical Values
COLOUR			Black
HARDNESS	ISO 48	°IRHD	73
TENSILE STRENGTH	ISO 37	MPa	16.9
MODULUS @ 100%	ISO 37	MPa	6.6
ELONGATION @ BREAK	ISO 37	%	185
TEAR STRENGTH	ISO 34	N/mm	14.5
SPECIFIC GRAVITY	ISO 2781	g/cm3	1.85
LOW TEMPERATURE RETRACTION (TR10)	ISO 2921	°C	-40

## Description

A compound formulated to give the best low temperature performance possible from a Fluorocarbon rubber. 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 -55°C (-67°F) to +200°C (390°F).

## Compression Set

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





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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	%	+2.4
ELONGATION CHANGE	ISO 188	%	+1.1

Property (After 336 Hours @ 175°C)	Test Standard	Units	Typical Values
HARDNESS CHANGE	ISO 188	°IRHD	+1
TENSILE CHANGE	ISO 188	%	+2.9
ELONGATION CHANGE	ISO 188	%	+1.1

### ABSORPTION TEST

Property (After 168 Hours @ 100°C)	Test Standard	Units	Typical Values
<b>ASTM No 1 Oil</b>	ISO 1817		
VOLUME CHANGE		%	-0.3
HARDNESS CHANGE		°IRHD	-1
<b>IRM 903 Oil</b>	ISO 1817		
VOLUME CHANGE		%	-0.1
HARDNESS CHANGE		°IRHD	-3
<b>DISTILLED WATER</b>	ISO 1817		
VOLUME CHANGE		%	+1.2
HARDNESS CHANGE		°IRHD	-1