

**COMPOUND: F226 NORSOK M-710 rev2 Low Temp (VF)**  
**POLYMER TYPE: Fluorocarbon Rubber FKM90 (+/-5°)**

## Physical Properties

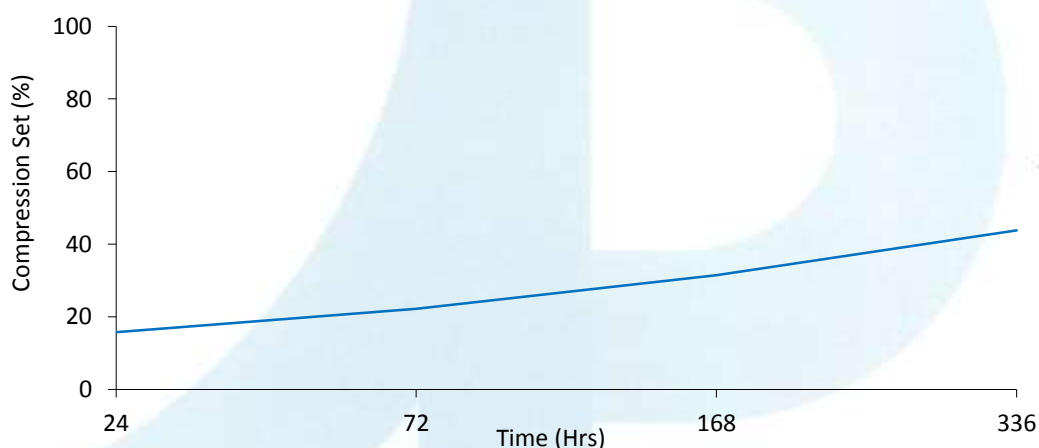
| Property             | Test Method | Units | Typical Values |
|----------------------|-------------|-------|----------------|
| COLOUR               |             |       | Black          |
| HARDNESS             | ISO 48      | °IRHD | 89             |
| TENSILE STRENGTH     | ISO 37      | MPa   | 21.3           |
| MODULUS @ 100%       | ISO 37      | MPa   | 11.7           |
| ELONGATION @ BREAK   | ISO 37      | %     | 197            |
| TEAR STRENGTH        | ISO 34      | N/mm  | 29.4           |
| SPECIFIC GRAVITY     | ISO 2781    | g/cm3 | 1.84           |
| LOW TEMPERATURE TR10 | ISO 2921    | °C    | -18            |

## 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 Rev 2. 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 -33°C (-27°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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## NORSOK

NORSOK M710 (Rev. 2, October 2001) in respect of rapid gas decompression resistance in 10% Carbon Dioxide at 150 bar and 100°C

| Compound | Summary Rating<br>(Average of 3) | Result |
|----------|----------------------------------|--------|
| F226     | 0000                             | Pass   |

## AIR-AGEING

| Property<br>(After 168 Hours @ 175°C) | Test Standard | Units | Typical Values |
|---------------------------------------|---------------|-------|----------------|
| HARDNESS CHANGE                       | ISO 188       | °IRHD | +2             |
| TENSILE CHANGE                        | ISO 188       | %     | -0.47          |
| ELONGATION CHANGE                     | ISO 188       | %     | -8.12          |

| Property<br>(After 336 Hours @ 175°C) | Test Standard | Units | Typical Values |
|---------------------------------------|---------------|-------|----------------|
| HARDNESS CHANGE                       | ISO 188       | °IRHD | +4             |
| TENSILE CHANGE                        | ISO 188       | %     | +4.22          |
| ELONGATION CHANGE                     | ISO 188       | %     | -12.70         |

## ABSORPTION TEST

| Property<br>(After 168 Hours @ 100°C) | Test Standard | Units | Typical Values |
|---------------------------------------|---------------|-------|----------------|
| <b>ASTM No 1 Oil</b>                  | ISO 1817      |       |                |
| VOLUME CHANGE                         |               | %     | +0.85          |
| HARDNESS CHANGE                       |               | °IRHD | +1             |
| <b>IRM 903 Oil</b>                    | ISO 1817      |       |                |
| VOLUME CHANGE                         |               | %     | +0.51          |
| HARDNESS CHANGE                       |               | °IRHD | -1             |
| <b>DISTILLED WATER</b>                | ISO 1817      |       |                |
| VOLUME CHANGE                         |               | %     | +2.62          |
| HARDNESS CHANGE                       |               | °IRHD | -2             |