

FF582-90 Product Data Sheet

Oil & Gas applications

In conjunction with Parker Seals, this range of high performance materials for Oil & Gas meets the most challenging and demanding applications for aggressive chemicals, gas and high temperatures. These materials offer excellent chemical and thermal resistance and thermal stability under these extreme application conditions.

We provide our customers with the highest quality products and technical support on seal design, material recommendation, installation techniques and test analysis, specifically for the oil & gas market.

FF582-90 is a high temperature FFKM. It is tested and approved to ISO 23936-2 RGD and H₂S 10% and TOTAL GS EP PVV142 RGD.

Basic Polymer: FFKM
Hardness: 90 +/- 5 Shore A
Temperature range: -15°C to +275°C
Colour: Black

Recommended for:

- Aliphatic & aromatic hydrocarbons
- Chlorinated hydrocarbons
- Polar solvents (acetone, methylethylketone, dioxane)
- Inorganic & organic acids
- Water & steam
- High vacuum
- Petroleum
- Wet/Dry chlorine
- Rapid Gas Decompression

| Original Physical Properties | Results |
|-----------------------------------|---------|
| Hardness (Shore A) | 90 |
| Tensile Strength, MPa | 19.73 |
| Elongation, %, min. | 113 |
| Modulus @ 100% Elongation (MPa) | 18.2 |
| Compression Set (70hrs @ 230°C) % | 25 |

Products

- O-rings
- Moulded shapes

These results represent typical material properties. They are achieved under laboratory conditions and do not necessarily correspond to results measured on finished goods. It does not absolve the customer of the responsibility to make tests for their intended process or purpose. Ceetak Ltd makes no warranties and assumes no liability in connection with any use of this information.