

# VG109-90 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.

VG109-90 FKM is ISO23936-2 RGD & H<sub>2</sub>S 10% and 2% approved. It is TOTAL GS EP PVV142 RGD approved. It is API6A FF/HH H<sub>2</sub>S and NACE TM0187 H<sub>2</sub>S approved.

**Basic Polymer: FKM**

**Hardness: 90 +/- 5 Shore A**

**Temperature range: -45°C to +204°C**

**Colour: Black**

### Recommended for:

- Mineral oil & grease
- ASTM No.1 oil, IRM 902 & IRM903 oil
- Non-flammable hydraulic fluids
- Silicone oils & greases
- Aliphatic hydrocarbons
- Aromatic hydrocarbons
- Chlorinated hydrocarbons
- Gasoline
- High vacuum
- Ozone, weather and ageing resistance
- Rapid Gas Decompression

Original Physical Properties	Results
Hardness (Shore A)	89
Tensile Strength, MPa	16.19
Elongation, %, min.	115
Compression Set (22hrs @ 175°C) %	9
Specific Gravity	1.74

### Products

- O-rings
- Moulded shapes
- Packing elements
- S-Seals
- PolyPaks®

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.