



FKM O-ring

Product code: **OK01** · FKM · Fluoroelastomer

BASIC INFORMATION

Product name	FKM O-ring
Product code	OK01
Material	FKM (fluoroelastomer)
Colour	Brown

PRODUCT DESCRIPTION

The FKM O-ring is a sealing element for applications with higher demands on temperature resistance, chemical stability and resistance to oils, fuels and technical media.

It is suitable for systems that require reliable leak-tightness even under increased thermal and operating loads.

AREAS OF APPLICATION

- hot water pipework
- heating systems
- solar thermal systems
- industrial pipework
- pipework for technical fluids
- applications with a higher thermal load
- environments in contact with oils and lubricants

MATERIAL PROPERTIES

- high temperature resistance
- very good resistance to oils and lubricants
- good resistance to fuels
- good resistance to ageing
- good chemical stability
- suitable for more demanding operating conditions

TEMPERATURE RESISTANCE

Long-term operating range: **-20 °C to +160 °C**
Short-term: **+200 °C / max. 5 min**

The values given are based on the laboratory and material properties of the FKM compound and serve as technical guidance only.

UNSUITABLE USE

- outside the verified chemical compatibility of the medium
- in applications that require a dedicated leak-indicating function of the seal
- in operation outside the recommended temperature and pressure conditions of the system

CERTIFICATION AND STANDARDS

ITC ASTM D2000 ISO CCZ

TECHNICAL SPECIFICATION

PARAMETER	VALUE
Product code	OK01
Material	FKM
Seal type	O-ring
Colour	Brown
Long-term temperature range	-20 °C to +160 °C
Short-term resistance	+200 °C / max. 5 min
Resistance to oils	Yes
Resistance to fuels	Yes
Resistance to elevated temperature	Yes

IMPORTANT NOTICE

Whenever the seal is used, the following must be taken into account: the operating temperature, the pressure load of the system, the chemical compatibility of the medium and the design of the specific application.

The choice of sealing material must always be assessed against the actual operating conditions.

The technical data in this document is for information only and is based on the available material and laboratory data. The manufacturer reserves the right to make technical changes without prior notice.