



EPDM O-ring

Product code: **OK02** · EPDM · Leak Detect

1. PRODUCT IDENTIFICATION

Product name	EPDM O-ring
Product code	OK02
Product type	Elastomer sealing element
Material	EPDM (ethylene propylene diene monomer)
Colour	Black

2. PRODUCT DESCRIPTION

The EPDM O-ring is a sealing element for pipework and jointing systems that require high resistance to water, heat, steam, ageing, ozone and normal operating influences.

EPDM is the standard material in MEP (building services) installations, in particular for drinking water pipework, heating and technical media free of mineral oils.

The seal features the Leak Detect function, which reliably identifies unpressed joints during the pressure test of the system.

3. AREAS OF APPLICATION

- drinking water pipework
- cold and hot water pipework
- heating systems
- steam pipework (under appropriate conditions)
- technical and industrial pipework
- installations exposed to the weather
- fire protection and sprinkler systems

5. MATERIAL PROPERTIES

- very good resistance to water (cold and hot)
- good resistance to steam
- very good resistance to ozone and UV radiation
- high resistance to ageing
- good resistance to alkalis and cleaning agents
- suitable for building services and fire protection applications
- integrated Leak Detect function

4. TEMPERATURE RANGE

Long-term operating range: **-55 °C to +120 °C**

Operating conditions must always be assessed in relation to the medium, the pressure, the type of installation and the requirements of the specific application.

6. LEAK DETECT FUNCTION

The EPDM O-ring features the Leak Detect function, which identifies unpressed joints during the pressure test.

- fast identification of unpressed joints
- higher installation safety
- reduced risk of leaks in operation
- better quality control of the installation

The Leak Detect function is active only on an unpressed joint and serves as a safety check during installation.

7. UNSUITABLE USE

- with mineral oils
- with lubricants and fuels
- in applications outside the chemical compatibility of the medium
- in operation outside the recommended temperature and pressure limits of the system

8. CERTIFICATION AND STANDARDS

DVGW	ITC	PAVUS	ÖVGW	ACS	WRAS	EPD	ISO	CCZ
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9. TECHNICAL SPECIFICATION

PARAMETER	VALUE
Product code	OK02
Product type	O-ring
Material	EPDM
Colour	Black
Long-term temperature range	-55 °C to +120 °C
Resistance to water	Yes
Resistance to steam	Yes
Resistance to ozone and UV	Yes
Resistance to mineral oils	No
Use in building services	Yes
Use in fire sprinkler systems	Yes *
Leak Detect function	Yes

10. IMPORTANT NOTICE

The sealing material must always be chosen with regard to the actual operating conditions, in particular: the type of medium, the operating temperature, the operating pressure, the design of the joint and the requirements of fire sprinkler systems.

Using the seal outside the recommended conditions may adversely affect its function, service life and sealing performance.

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.

** Use in fire sprinkler systems is subject to meeting the requirements of the relevant standard, certification of the system and approval by the competent authority.*