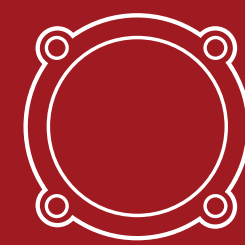




A QUICK GUIDE TO  
**EPDM  
GASKET  
MATERIALS**

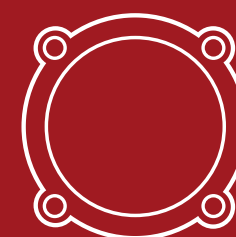


# WHAT IS EPDM?

EPDM (Ethylene Propylene Diene Monomer) is a synthetic elastomer widely used in industrial gasket and sealing applications due to its outstanding resistance to weathering, water, steam and environmental aging.

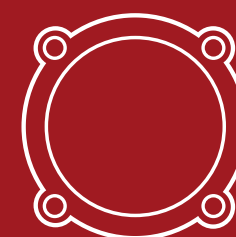
Key Benefits include:

- ▶ Excellent UV and ozone resistance
- ▶ Strong hot water and steam compatibility
- ▶ Flexible across wide temperature ranges
- ▶ Long-term outdoor durability
- ▶ Reliable compression recovery



# QUICK SELECTION GUIDE

TYPE	TEMP RANGE	COMPATIBILITY	APPLICATIONS
General Purpose	-40°C to +120°C	Water, glycol, mild chemicals	HVAC, industrial sealing
FDA-Approved	-40°C to +140°C	Food media, cleaning chemicals	Food & beverage processing
WRAS-Approved	-40°C to +120°C	Potable water, mild chemicals	Drinking water systems
Flame-Retardant	-40°C to +125°C	Environmental exposure	Rail, transport, electrical
Acid-Resistant	-40°C to +130°C	Dilute acids, cleaning chemicals	Chemical processing
Boiler Seal®	-40°C to +150°C	Steam, hot water	Steam boiler systems

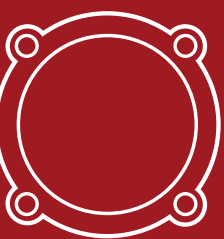


# GENERAL PURPOSE EPDM

General Purpose EPDM delivers versatile sealing performance across a broad range of industrial applications involving water, air, weather exposure and moderate chemical contact.

Key features include:

- ▶ Excellent weather resistance
- ▶ Durable and flexible
- ▶ Strong water compatibility
- ▶ Reliable long-term sealing
- ▶ Cost-effective industrial solution

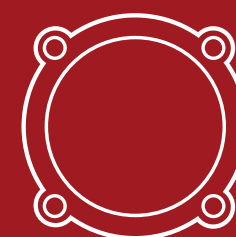


# FDA-APPROVED EPDM

FDA-approved EPDM materials are formulated for hygienic sealing applications where compliance with food-contact standards is required.

Key features include:

- ▶ Food-safe elastomer formulation
- ▶ Resistant to cleaning chemicals
- ▶ Suitable for washdown environments
- ▶ Low contamination risk
- ▶ Hygienic sealing performance



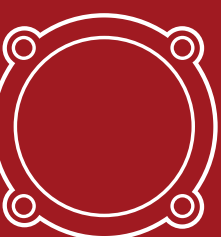
# WRAS-APPROVED EPDM

WRAS-approved EPDM is certified for contact with potable water and designed for applications requiring compliance with UK water safety standards.

Key features include:

- ▶ Approved for drinking water contact
- ▶ Excellent water resistance
- ▶ Long-term immersion suitability
- ▶ Resistant to environmental aging
- ▶ Reliable utility sealing material

**dobson**  
**gaskets**

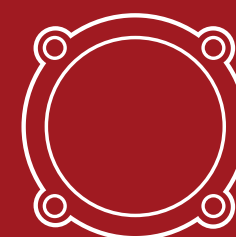


# FLAME-RETARDANT EPDM

Flame-retardant EPDM materials are engineered for applications requiring enhanced fire performance and reduced flame propagation.

Key features include:

- ▶ Improved fire resistance
- ▶ Reduced flame spread
- ▶ Durable environmental sealing
- ▶ Suitable for regulated applications
- ▶ Reliable long-term performance

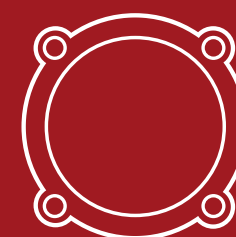


# ACID-RESISTANT EPDM

Acid-resistant EPDM is formulated for sealing applications involving dilute acids, aggressive cleaning agents and chemical processing environments.

Key features include:

- ▶ Enhanced acid resistance
- ▶ Excellent durability
- ▶ Suitable for washdown systems
- ▶ Reliable chemical sealing
- ▶ Strong environmental resistance



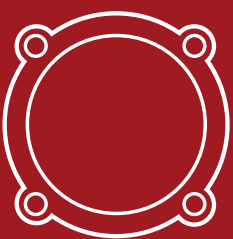
# **BOILER SEAL® EPDM**

Boiler Seal® EPDM is a specialist high-temperature sealing material designed for demanding steam and hot water applications.

Dobson Gaskets are the exclusive UK supplier of Boiler Seal® gaskets.

Key features include:

- ▶ Excellent steam resistance
- ▶ High temperature capability
- ▶ Reliable compression recovery
- ▶ Durable under thermal cycling





# **SPECIALIST EPDM SEALING SOLUTIONS**

Dobson Gaskets manufactures a complete range of EPDM gaskets engineered to meet the demands of industrial, hygienic, utility, thermal and chemical sealing applications.

**TALK TO OUR TEAM**

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