



# AL-EPDM

## GENERAL INFORMATION

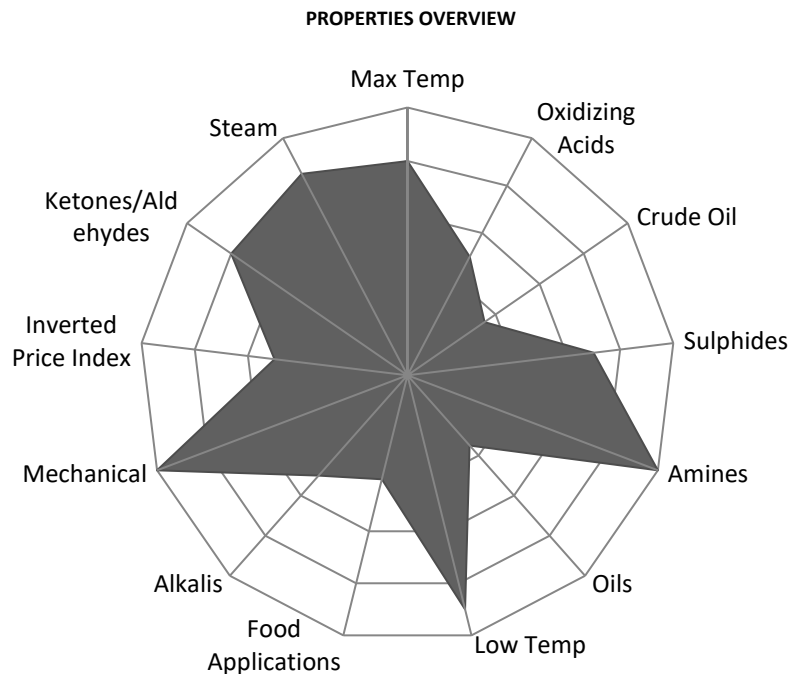
WCR AL-EPDM is a peroxide cured ethylene-propylene rubber (EPDM), for applications requiring low compressions set, and higher hardness. It also has good resistance to steam.

## TYPICAL APPLICATIONS

- Water and Steam applications
- Industrial aqueous applications
- Non Food applications

## TYPICAL PROPERTIES

- Hardness 90 Shore A
- Tensile Strength 15 MPa
- Elongation at break 140%.
- Maximum continuous temperature: 150°C (302°F)
- Minimum continuous temperature: -35°C (-31°F)
- Excellent compression set



Notes: The greater distance from the middle, the better.

This is a general overview, in relation to other materials. For specific applications please contact WCR or WCR agents for advice.



# MATERIAL DATA SHEET (MDS)

**PRODUCT: WCR AL-EPDM gaskets Edition 2018, Rev.0**

## 1. IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY

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Trade name: WCR AL-EPDM Article numbers: 6<sup>th</sup> & 7<sup>th</sup> digit = 60 (x x x x x 60)

Color Identification: Black rubber gasket with two blue dots.

## 2. COMPOSITION/INFORMATION ON INGREDIENTS.

Composition: Peroxide Cured EPDM, carbon black, softener, curatives, and antioxidants and processing aids.

## 3. HAZARD IDENTIFICATION

General Information: Non-labeled product according to US/EU-regulations

Special attention should be paid to the following areas:

\* Particles can cause damage or irritation on the eye surface.

\* Sensitive persons can obtain skin irritation by unprotected handling of the product

## 4. FIRST-AID MEASURES

Emergency first aid procedures: Eye contact: Flush with water, consult physician. Skin contact: Wash with soap and water. Ingestion: As with swallowing any foreign substance, consult physician.

## 5. FIRE FIGHTING MEASURES

The material consists of organic raw materials known to be flammable.

In case of fire, follow the instructions given by appropriate firefighting authorities.

Flammable/Combustible: Yes, at very high temperatures far above 200°C, in presence of an ignition source.

Extinguishing Media: Water spray, high expansion foam or powder.

Special firefighting instructions: Treat as hydrocarbon fire.

Main hazardous combustion products: Carbon dioxide, carbon monoxide, nitrogen oxides, hydrocarbons (alcohols, aldehydes, ketones)

## 6. ACCIDENTAL RELEASE MEASURES

Waste disposal methods: Dispose of in accordance with local, state and federal regulations

## 7. HANDLING AND STORAGE

Treat as normal rubber products.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection: Only when buffing or at temperatures above 100°C.

Protective gloves: Not normally required at normal use (unless person is especially sensitive to the product)

Eye protection: As required

Hygienic work practices: Industrial hygiene and safety practices should be observed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid

Odor: Very low

Appearance: Black material with 2 x blue color code

Specific gravity: 1.20-1.25 g/ml

Free monomers: Traces

Melting point: Not applicable

## 10. STABILITY AND REACTIVITY

Chemical stable: Yes

Hazardous polymerization: Will not occur

## 11. TOXICOLOGICAL INFORMATION:

Could cause skin irritation, or allergy, for some very sensitive persons.

## 12. ECOLOGICAL INFORMATION:

General Information: The products are very resistant to biodegradability, and not known to be eco-toxic.

## 13. DISPOSAL CONSIDERATIONS:

The products may be disposed as land filling, or be burned like other rubber or plastic products.

## 14. TRANSPORT INFORMATION:

No special precautions are necessary when transporting the product.

## 15. REGULATORY INFORMATION:

No labels are needed. See local and federal regulations.

## 16. OTHER INFORMATION:

The product is cured rubber. When exposed to higher temperatures, the lifetime of the product will decrease.