

# FDA - NBR

## GENERAL INFORMATION

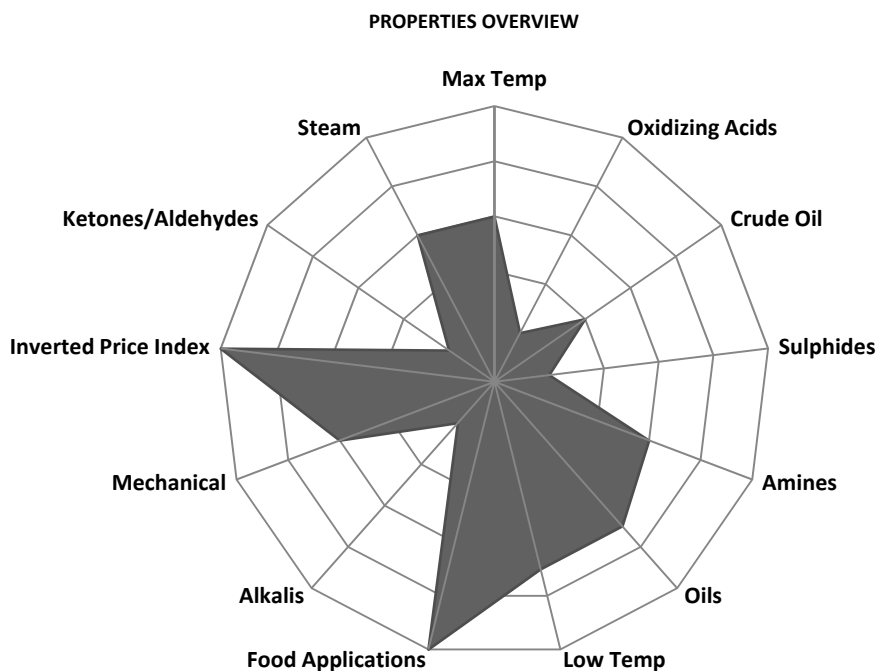
WCR FDA - NBR is a peroxide cured nitrile polymer (NBR) for food applications. It has limited resistance to nitric acid solutions, and caution must be used with CIP system(s) and chemicals.

## TYPICAL APPLICATIONS

- Water applications
- Food (FDA) and non food applications
- Milk, cream and other fatty food applications
- Industrial oil applications

## TYPICAL PROPERTIES

- Hardness 76 Shore A
- Tensile Strength 15 MPa
- Elongation at break 210%.
- Maximum continuous temperature: 130 °C



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 SAFETY DATA SHEET (MSDS)



**PRODUCT: WCR FDA - NBR gaskets Edition 2008 Rev.1**

## 1. IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY

Issued by: Pontus Gamstedt, Laboratory manager, WCR Sweden AB, Furuviksringen 18,302 44 Halmstad  
Country: Sweden  
Phone no: +46 35 109390  
Fax no: +46 35 109393  
E-mail address: pontus.gamstedt@wcr.se  
Trade name: WCR FDA-NBR Article numbers: 6<sup>th</sup> & 7<sup>th</sup> digit = 90 (x x x x x 90)  
Color Identification: Black rubber gasket with one yellow dot.

## 2. COMPOSITION/INFORMATION ON INGREDIENTS.

Composition: Peroxide Cured NBR, 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 fire fighting 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 no color coding  
Specific gravity: 1,15-1,25 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.