



WCR FDA-NBR.

GENERAL INFORMATION.

The WCR FDA-NBR is a peroxide cured Nitrile Rubber, for food applications. Has been replacing WCR HT-NBR for industrial applications, because they are practically equal in almost all applications. Has a limited resistance to nitric acid solutions, so care should be taken when CIP is done. A standard material for fatty food and industrial applications.

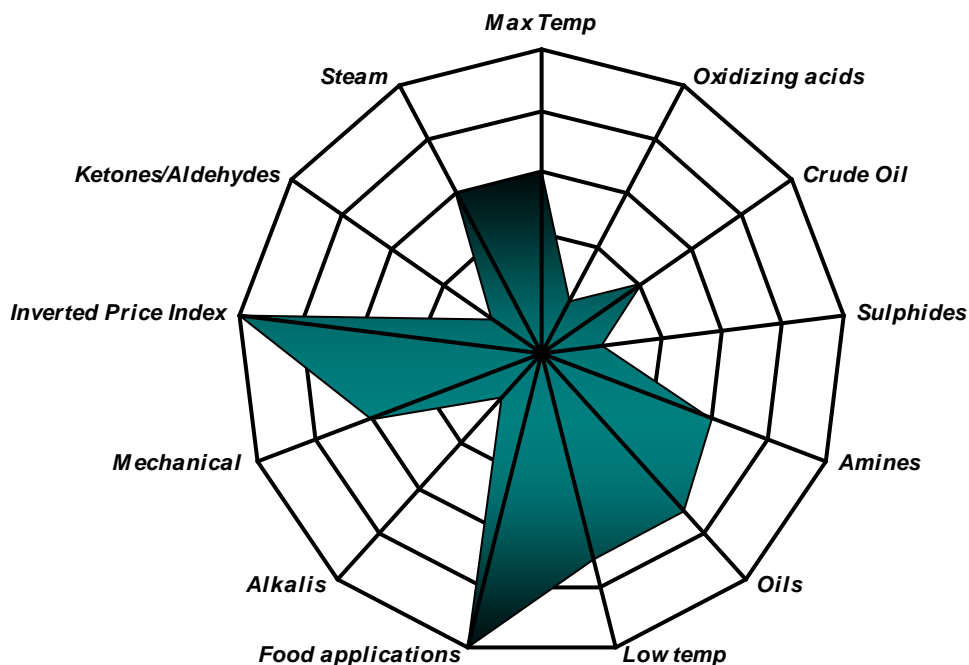
TYPICAL APPLICATIONS.

- Water applications.
- Food applications.
- Milk, cream and other fatty food applications.
- Industrial oil applications.

TYPICAL PROPERTIES.

- Hardness 78 Shore A
- Tensile Strength 15 MPa
- Elongation at break 210%.
- Food approved.
- Maximum continuous temperature: 130°C

PROPERTY OVERVIEW



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

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

MATERIAL SAFETY DATA SHEET (MSDS)

PRODUCT: WCR FDA-NBR gaskets (1 stripe yellow or golden colour coding).

Edition 2003/1

1. IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY.

Issued by: Jan Isefalk, WCR Sweden AB, Furuviksringen 18, 302 44 Halmstad
Country: Sweden
Phone no: +46 35 10 93 90
Fax no: +46 35 10 93 93
E-mail address: info@wcr.se
Trade name: WCR FDA-NBR
Article numbers: 6th digit = 9 (x x x x x 9)

2. COMPOSITION/INFORMATION ON INGREDIENTS.

Composition: Rubber gaskets. Peroxide cured Nitrile Rubber (Acrylonitrile-Butadiene Copolymer) with carbon black as filler.

3. HAZARD IDENTIFICATION.

General information: Non-labeled product according to 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
Odour: Very low
Appearance: Black material with yellow or golden colour coding (1 stripe)
Specific gravity: 1,12-1,22 g/ml
Free monomers: Traces
Melting point: Not applicable

10. STABILITY AND REACTIVITY

Chemical stable: Yes
Hazardous polymerisation: Will not occur

11. TOXICOLOGICAL INFORMATION.

Could cause skin irritation, or allergy, for some very sensitive persons. For most people this is not a problem.

12. ECOLOGICAL INFORMATION.

General information: The products are very resistant to biodegradability, and not known to be ecotoxic.

13. DISPOSAL CONSIDERATIONS.

The products may be disposed as landfilling, 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 products is cured rubber. When exposed to higher temperatures, the lifetime of the product will decrease. Do not store the products hanging