

# VITON G®

## GENERAL INFORMATION

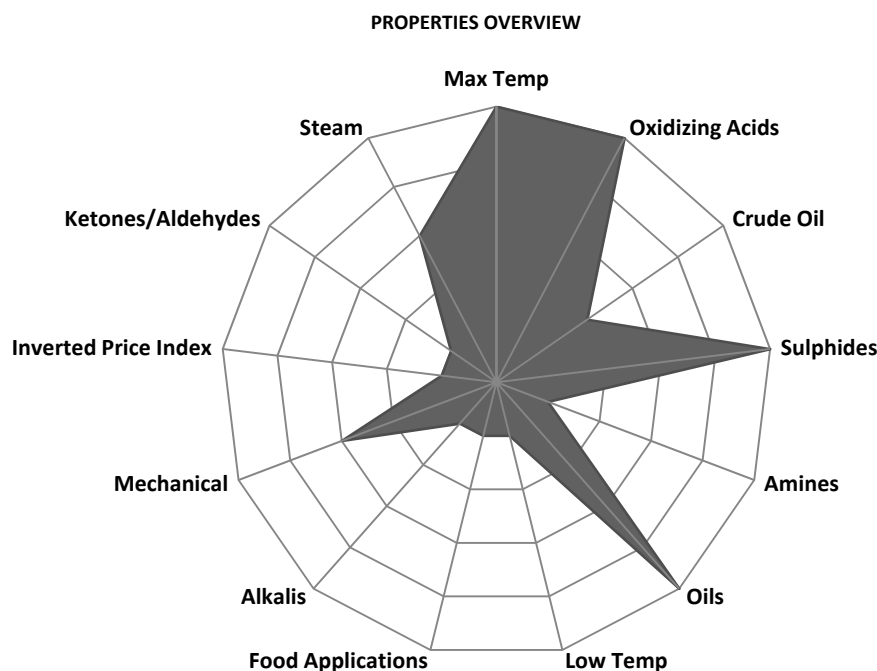
WCR Viton G® is a peroxide cured Fluorocarbon Rubber (FKM), based on Viton GF® polymer. It has excellent resistance towards concentrated acids, surpassing VITON B®.

## TYPICAL APPLICATIONS

- High temperature oil applications.
- Concentrated inorganic acids (concentrated sulphuric acid up to 125° Celsius).
- Not for use in Steam or water where high temperatures are present.

## TYPICAL PROPERTIES

- Hardness 80 Shore A
- Tensile Strength 16 MPa
- Elongation at break 130%.
- Maximum temperature: 145 °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.

Viton B® / Viton GF® / Viton G® are registered trademark(s) of DuPont – Dow Elastomers

# MATERIAL SAFETY DATA SHEET (MSDS)



**PRODUCT: WCR VITON G° gaskets Edition 2008, Rev.1**

## 1. IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY

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Trade name: WCR VITON G° Article numbers: 6<sup>th</sup> & 7<sup>th</sup> digit = 21 (x x x x x 21)

Color Identification: Black rubber gasket with one orange dot.

## 2. COMPOSITION/INFORMATION ON INGREDIENTS.

Composition: Peroxide Cured FKM (Fluorocarbon Rubber VITON G°, terpolymer of hexafluoropropylene, vinylidene fluoride and tetrafluoroethylene), 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.