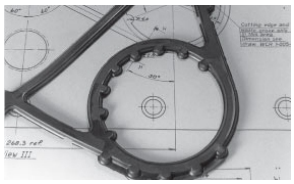


NEOPRENE

GENERAL INFORMATION

WCR Neoprene is Peroxide cured, oil resistant PolyChloroprene Rubber

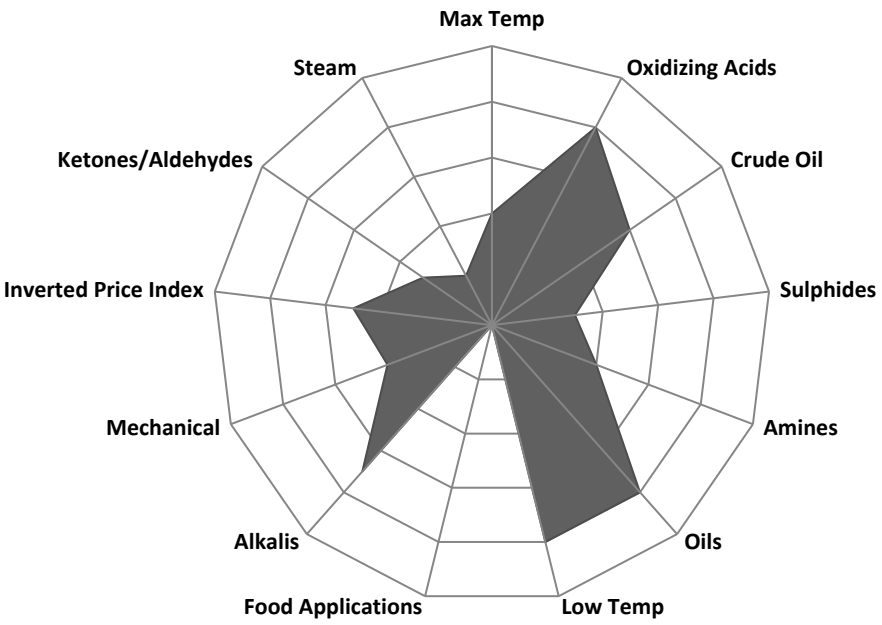
TYPICAL APPLICATIONS

- Refrigerants requiring oil resistance
- Good for ammonia applications

TYPICAL PROPERTIES

- Hardness 80 Shore A
- Tensile Strength 14 MPa
- Maximum continuous temperature: 110°C (230°F)
- Minimum continuous temperature: -35°C (-31°F)
- Good ozone resistance

PROPERTIES OVERVIEW



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 NEOPRENE gaskets Edition 2018, Rev.0

1. IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY
Issued by: Steve Cokonougher, WCR Incorporated, Washington C.H., Ohio 43160
Country: USA
Phone no: +1 (740) 333-3448
Fax no: +1 (740) 333-3452
E-mail address: scokonougher@wcrhx.com
Trade name: WCR NEOPRENE Article numbers: 6th and 7th digit = 41 (x x x x 41)
Color Identification: Black rubber gasket with one brown dot.

2. COMPOSITION/INFORMATION ON INGREDIENTS.
Composition: Sulphur cured Chloroprene Rubber polymer, 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 brown color code
Specific gravity: 1.37-1.41 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.