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A QUICK GUIDE TO NEOPRENE GASKET MATERIALS

A VERSATILE ALL-ROUNDER

Neoprene (CR - Chloroprene Rubber) is widely used where moderate resistance to oils, weathering, ozone and water is required.

It offers an excellent balance of mechanical strength, flexibility and environmental durability, making it a dependable choice across engineering, marine and industrial applications.

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NEOPRENE PROPERTIES AT A GLANCE

PROPERTY	PERFORMANCE*
Temperature Range	-35°C to +100°C
Weather & Ozone Resistance	Excellent
Water Resistance	Excellent
Oil Resistance	Moderate
Fuel Resistance	Moderate
Flame Resistance	Good
Abrasion Resistance	Good
Compression Set	Good

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**Performance depends on compound formulation & application.*

WHERE NEOPRENE PERFORMS BEST

Neoprene is commonly specified for:

- Outdoor equipment & enclosures
- Marine sealing applications
- HVAC systems
- Water handling equipment
- Industrial machinery
- Lighting & electrical enclosures
- Vibration isolation pads
- General-purpose flange gaskets

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CHEMICAL COMPATIBILITY

EXCELLENT

- Water
- Seawater
- Mild acids
- Mild alkalis
- Refrigerants
- Ozone

SUITABLE

- Mineral oils
- Greases
- Hydraulic fluids

UNSUITABLE

- Hydrocarbons
- Strong acids
- Solvents

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A BALANCED ENGINEERING MATERIAL

Neoprene is often specified by engineers because it provides:

- Excellent outdoor durability
- Reliable sealing under moderate pressure
- Good ageing characteristics
- Resistance to cracking caused by ozone and UV exposure
- Better weather resistance than natural rubber
- Cost-effective performance across a wide range of industries

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MORE THAN JUST A GASKET SUPPLIER

Dobson Gaskets works with engineers to specify the appropriate material, hardness and gasket design before manufacturing precision-cut Neoprene gaskets and seals.

TALK TO OUR TEAM

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