

## Technical Datasheets

### Neoprene Rubber - Rolls, Thicknesses, and Applications

Neoprene rubber (also known as chloroprene) is a versatile and durable synthetic material widely used in industrial and craft sectors due to its excellent mechanical, chemical, and thermal properties. It is available in rolls or sheets, in various thicknesses and densities to meet diverse technical requirements.

#### Key Features:

- Chemical resistance: excellent resistance to oils, greases, moderate solvents, and atmospheric agents.
- Thermal and acoustic insulation: ideal for applications requiring protection from heat or noise.
- Elasticity and flexibility: maintains its shape even after prolonged deformation.
- Waterproof: excellent barrier against water and moisture.
- Operating temperature: typically ranges from -20C to +100C.

#### Available Formats:

- Rolls: generally 1 meter or 1.2 meters wide, with variable lengths up to 10 meters.
- Thicknesses: available in different sizes, from 1 mm up to 6 mm, depending on the intended application.
- Finishes: smooth/smooth, smooth/textile, or textile/textile, with or without adhesive backing.

#### Main Uses of Neoprene:

- Industrial gaskets and seals
- Thermal insulation for pipes and equipment
- Surface protection and coverings
- Sports gear (wetsuits, knee pads, diving gloves)
- Automotive and marine components
- Anti-vibration and shock absorption applications

#### Advantages:

- Long-lasting, even in outdoor environments
- Easy to cut and process
- Available in various hardness levels (measured in Shore A)
- Cost-effective solution