Neoprene Rubber Sheet

DT-NP-7000 · 70 Shore A — Technical Datasheet

DIODE TRADING EST
Dammam, Saudi Arabia

DT-NP-7000 is a general-purpose neoprene (CR) rubber sheet for gaskets, seals, pads and linings where resistance to water, mild chemicals and weathering is needed. Supplied by Diode Trading EST from stock in Dammam for delivery across Saudi Arabia and the GCC.

Specification

Material	Neoprene (polychloroprene, CR) rubber sheet
Material code	DT-NP-7000
Hardness	70 ± 5 Shore A
Authorised distributor	Vetromech Solutions Company
Operating temperature	−25 °C to +70 °C

Rubber Compound Properties

No.	Test	Test standard	Unit	Specified value
1	**Hardness**	ASTM D 2240	Shore A	70 ± 5
2	**Tensile strength**	ASTM D 412	kg/cm²	30 (min)
3	**Elongation at break**	ASTM D 412	%	225 (min)
4	**Tear strength**	ASTM D 624	kg/cm	15 (min)
5	**Specific gravity**	Reference method	—	1.60 ± 0.05

Specific gravity is determined by the ratio of weight in air to weight in water.

Recommended Applications

Cured sheet suitable for environments requiring:

- Resistance to water
- Resistance to mild chemicals (dilute and concentrated acids and alkalis)
- Mild ozone resistance

Typical uses: flange and cover gaskets, anti-vibration and bearing pads, seals, chute and tank linings, and general industrial sealing.

Testing Note

Test results are derived from compound slabs in accordance with ASTM D 412. As per ASTM guidelines, testing is not performed directly on finished products. If testing is conducted on finished sheets, results may vary by up to 20% from the specified values.

Storage

Prolonged exposure to direct sunlight may lead to deterioration of physical properties. For long-term storage, keep the material indoors under controlled conditions at ambient temperature.

How to Order

Send the thickness, width, length (or roll size) and quantity, or a drawing for cut gaskets, to Diode Trading EST at sales@diode.sa or +966 51 083 8213. Material test certificates are available on request.