

NATURAL INSERTION RUBBER

Product Overview

Natural Insertion Rubber is a general-purpose rubber sheet reinforced with fabric inserts to improve dimensional stability, tensile strength, and resistance to tearing. The insertion layers help control elongation under load, making this material suitable for applications where reinforcement and mechanical strength are required.

This material is commonly manufactured from Natural Rubber or Natural/SBR blended compounds and is widely used in industrial sealing, gasketing, and protection applications. Natural Insertion Rubber offers good abrasion resistance, flexibility, and impact resistance, making it suitable for a broad range of non-oil industrial environments.

Material Specification

- **Polymer:** Natural Rubber / Natural-SBR Blend with Fabric Insertion
- **Colour:** Black
- **Surface Finish:** Smooth on both sides
- **Reinforcement:** Fabric insertion layers
- **Temperature Range:** -30 °C to +70 °C

Key Features & Benefits

- Fabric-reinforced construction for improved dimensional stability
- Good tensile strength and tear resistance
- Good abrasion and impact resistance
- Controlled elongation under load
- Good flexibility at low temperatures
- Moderate aging and weather resistance
- Suitable for general industrial sealing applications

Disclaimer: All information provided is based on typical material properties and is intended as a general guide only. Final material selection should be confirmed by the end user for suitability in the intended application.

- Cost-effective reinforced rubber solution

Physical Properties

| Property | Typical Value | Test Method |
|----------------------------------|-------------------------------|-------------|
| Specific Gravity | 1.30 ± 0.05 g/cm ³ | ASTM D297 |
| Hardness | 65 ± 5 Shore A | ASTM D2240 |
| Tensile Strength | 5 MPa | ASTM D412 |
| Elongation at Break | 250 % | ASTM D412 |
| Compression Set (70 °C × 22 hrs) | 50 % | ASTM D395 |
| Tear Resistance | 22 kN/m | ASTM D624 |

Values shown are typical and not intended for specification purposes.

Typical Applications

- Flange gaskets for low-pressure services
- Seals and washers
- Conveyor skirt rubber
- Rubber pads and strips
- Protective linings
- Construction and general industrial applications
- Machinery and equipment maintenance

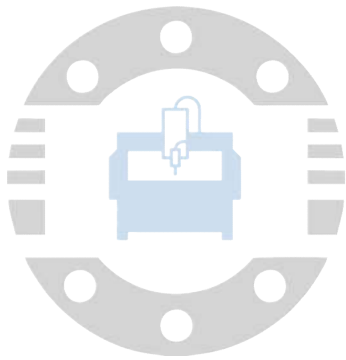
Manufacturing & Cutting Capability

- Available in sheet form and reinforced rubber rolls
- Suitable for CNC oscillating knife cutting
- Die-cutting and strip cutting available
- Custom gasket shapes and sizes available

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Storage & Handling

Store in a cool, dry place away from direct sunlight, ozone sources, oils, solvents, and extreme heat to maintain optimal service life.



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