# MANAR

Manufactures of Rubber Extruded Profiles & Moulded Components

# Innovating Rubber Solutions for a Better Tomorrow

Welcome to Manar Polymers Pvt. Ltd. We are an emerging name in the rubber manufacturing industry, trusted by clients across India and beyond. With expertise in rubber processing and customization, we deliver high-performance solutions tailored to diverse industrial needs.

Our products range include EPDM, Nitrile (NBR/Buna-N), Neoprene, Viton (FKM), Natural Rubber (NR), SBR and Silicone rubber profiles and moulded components – available in FDA-compliant and fire-retardant grades for specialized applications such as Industrial, Automotive, Railways, Marine, etc.

At Manar Polymers, we blend precision, innovation, and reliability to create rubber solutions that meet global standards.

✓ **Premium Quality** ✓ **Customization** ✓ **Industry Expertise**

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## VISION

To be the global leader in innovative rubber solutions that power the future of mobility, manufacturing and sustainability.

## MISSION

Is to produce durable eco-friendly, rubber products by using sustainable materials and responsible manufacturing practices that reduce our environmental impact.


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## Our Values:

We at Manar Polymers stick to organizational values;

- Innovate
- Strive for excellence in quality & performance standards
- Focus on value creation internally and externally
- Being flexible & maintain complete transparency
- Being environment friendly

## Well Equipped Lab Setup

Our in-house, fully equipped testing laboratory allows us to conduct a wide range of critical tests, ensuring every product meets industry standards and exceeds customer expectations.

Our lab is equipped with following testing equipment's:

- ODR (Oscillating Disc Rheometer)
- VMM (Video Measuring Machine)
- Tensile Testing Machine &
- Digital Specific Gravity
- Hardness tester
- Aging Oven
- Muffle Furnace

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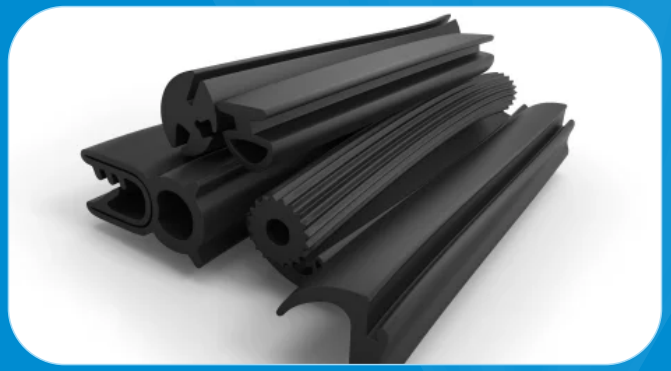
# PRODUCTS

Our products ensure durability, flexibility, and precision for multiple applications.

## EPDM

EPDM (Ethylene Propylene Diene Monomer) is a type of synthetic rubber known for its excellent weather resistance, durability, and flexibility. It's widely used in various applications, including roofing, automotive parts, and industrial seals, due to its ability to withstand harsh environmental conditions and temperature variations.

- ☑ Tensile strength: 7–14 MPa | Elongation: up to 600%
- ☑ Hardness: 40–90 Shore A | Density: 1.1–1.3 g/cm³



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# Nitrile

Nitrile Rubber, also known as NBR or Buna-N, is a high-performance synthetic rubber renowned for its exceptional resistance to oils, fuels, and chemicals. Formulated from acrylonitrile & butadiene, NBR is ideal for demanding industrial and automotive applications where oil resistance & durability are critical.

- Hardness range between 40 and 90 Shore A, allowing for flexibility in design and performance.
- Ideal for temperature range of -30°C +100°C (-22°F to 212°F) with some formulations tolerating up to +120°C (248°F) for short periods.
- Strong tensile strength ranging from 10 to 25 MPa, along with an elongation at break between 150% and 500%, indicating good flexibility and durability.
- Cost-effective
- Good compression set resistance

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## Silicon

Silicone extruded profiles are specialized components made from silicone rubber, shaped through the extrusion process to form continuous lengths with a consistent cross-sectional design. These profiles are widely used in industries due to their durability, flexibility, and resistance to extreme conditions.

## Silicone Transparent Tubing

- Premium-grade silicone transparent tubing designed for applications requiring high purity, flexibility, and clarity.
- Ideal for fluid transfer in cleanroom environments, laboratories, food processing, and peristaltic pumps.

## Silicone Coloured Sleevings:

- Flexible, heat-resistant insulation tubes, available in a range of vibrant colors. Used to protect insulate & identify wires, cables & components in electrical, electronic, automotive, and industrial applications.

## Silicone Moulding:

- Wide application because of their high thermal and mechanical stress Resistance, weather resistant, autoclavable & odorless.
- Available in variety of colors, shapes, and specifications.

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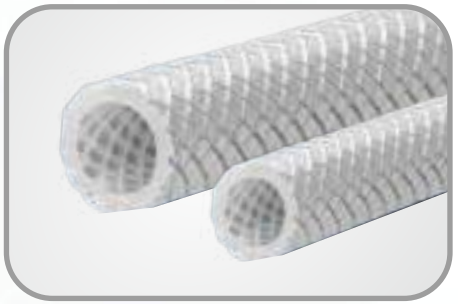
## Silicone Reinforced Tubing



- Used for high pressure applications offering flexibility at the same time..
- Manufactured with cross braiding in two layers of Silicone Transparent Tubing for greater strength.
- Ideal for use in pharmaceutical, food processing, laboratory, & industrial fluid transfer where strength, purity, and flexibility are essential.

## Peristaltic Pump Tubing:

- Special pump tubing design for precise, reliable fluid transfer. Offers excellent flexibility, high fatigue resistance, and consistent performance under continuous compression and release cycles.
- Ideal for laboratories, medical devices, pharmaceutical production, and food processing, where hygiene, durability, and flow accuracy are critical.

## Fluro Tubing

- A high-performance fluoropolymer-based tubing designed for applications requiring exceptional chemical resistance, high purity, and thermal stability.
- Widely used in chemical processing pharmaceuticals, electronics & laboratory systems.

## Silicone Hose

- A flexible, durable, and high-temperature resistant tubing made from premium silicone rubber. Known for its thermal stability, weather resistance & non-reactive properties. Ideal for fluid and air transfer.
- Widely used in automotive, medical, pharmaceutical, food processing & industrial applications.

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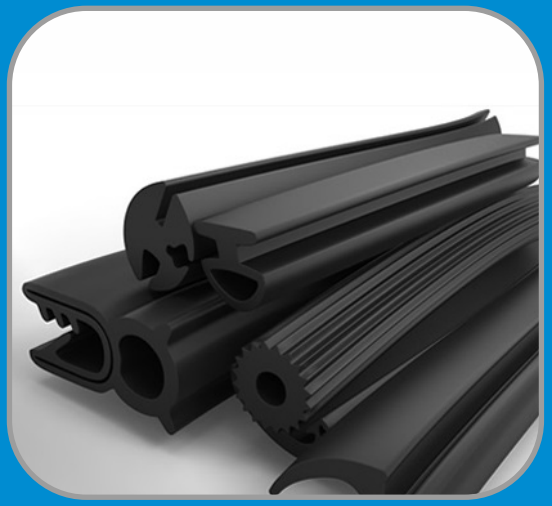
# Neoprene

Neoprene rubber, also known as chloroprene rubber (CR), is a highly versatile synthetic elastomer widely used across industrial, automotive, and marine applications. It also provides good mechanical strength and flame resistance, making it a preferred choice for gaskets, seals, hoses, protective gear, and insulation.



| | |
|---|---|
| Tensile Strength | 7-14MPa |
| Elongation at Break | 150% – 400% |
| Hardness (Shore A) | 40 – 80 Shore A |
| Density | 1.30 – 1.60 g/cm³ |

# Natural Rubber (NR) – High Elasticity & Abrasion Resistance

A polymer derived from natural latex, known for its superior elasticity, high tensile strength, & excellent abrasion resistance. In extruded form natural rubber is ideal for dynamic applications that require flexibility, cushioning, and high mechanical performance.

| | |
|---|---|
| Tensile Strength | 15–25 MPa |
| Elongation at Break | 400% – 700% |
| Hardness (Shore A) | 30 – 80 Shore A |
| Density | 0.95 – 1.10 g/cm³ |

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## Why Manar polymer?

- ☑ Customized Rubber Solutions
- ☑ High-Quality Materials
- ☑ Expert Team & Advanced Infrastructure
- ☑ Serving Multiple Industries

# Join us

## in shaping the future of precision-engineered Rubber Components!

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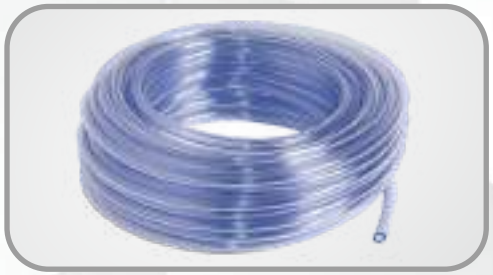
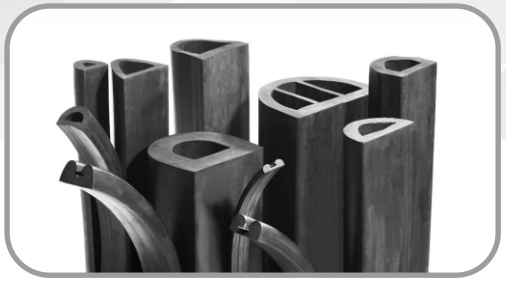
# Products at a Glance



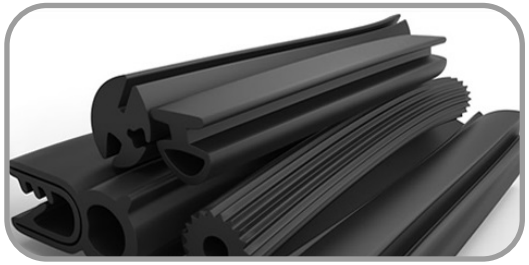








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Get in touch with us for high-quality rubber solutions tailored to your needs!

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