PRODUCT CATALOG 2025

Boron Rubbers India

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For More Details:
SCAN HERE

Flexible Boron Sheet/Plates

Flexible. Lightweight. Radiation Shield.

- Flexible synthetic polymer with variable Boron (5% to 52%)
- Excellent thermal neutron attenuation
- Vacuum stable, easy handling & installation
- Cut & shaped with standard tools

Applications

Neutron shielding, aerospace, medical, research, industrial

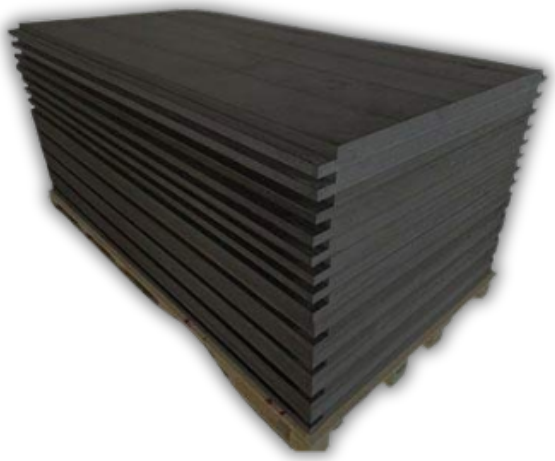
Boron Polyethylene

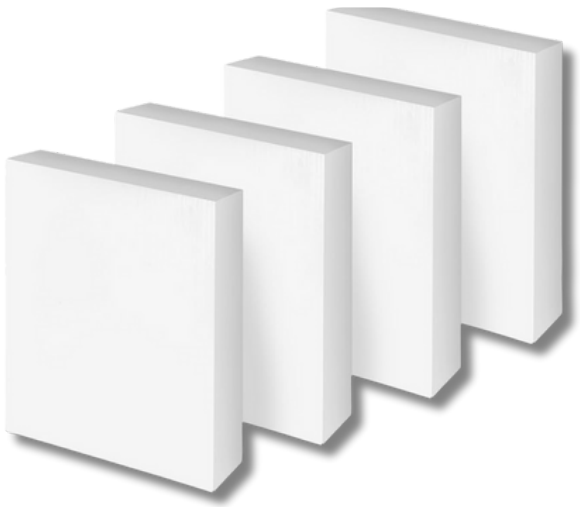
Lightweight. Customizable. Neutron Shield.

- Hydrogen-rich polyethylene with Boron (5% to 30%)
- Attenuates thermal neutrons, reduces gamma rays
- Lightweight, machinable material

Applications

Neutron shielding, research, industrial





Pure Polyethylene (Shielding Grade)

Hydrogen-Rich. Versatile. Neutron Moderator.

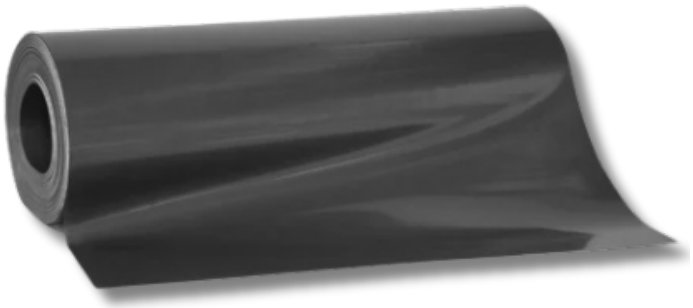
- High-purity, ultra-high molecular weight
- Efficient neutron moderator
- Maximized hydrogen content
- Custom machined for specific shapes

Applications

Nuclear shielding, research, medical, industrial

Lead Rubber Sheet

Flexible. Dense. Gamma-Ray Shield.



- High-density lead-loaded rubber for gamma & X-ray shielding
- Flexible, durable & easy to cut/shape
- Resistant to heat, moisture & chemicals

Applications

Diagnostic imaging, radiation therapy, nuclear shielding, protective barriers, soundproofing & accelerator systems.

Lead Boron Polyethylene

Dual Shielding. High Density. Customizable.

- Lead & Boron in polyethylene
- Effective mixed neutron/gamma shielding
- Hydrogen thermalizes fast neutrons
- Lead blocks primary gamma rays

Applications

Radiation therapy rooms, nuclear reactors, protective gear, spacecraft & satellite shielding, monitoring systems, control rooms.

Heavy Shielding Structure

Maximum Protection. High-Density. Built to Last.

- Multi-layer shielding for neutron & gamma attenuation
- High-density, impact-resistant & thermally stable
- Engineered for extreme radiation environments

Applications

Reactor containment, fuel storage, radiation labs, NDT, accelerators, submarines and spacecraft.

Neutron Detectors

Thermal Neutron Shielding. Long-Lasting.

- Boronated rubber for thermal neutron absorption
- No byproduct radiation
- Lighter than metal shielding

Applications

Radiation monitoring, cancer treatment, reactor systems, border security, military, airports, well logging & environmental monitoring.

Beam Catchers

Layered Shielding. Precision Control.

- Blocks fast neutrons, thermal neutrons & gamma rays
- Built from borated polyethylene, lead, iron & boron rubber
- Prevents direct & scattered radiation

Applications

Reactor halls, neutron spectrometers, monochromatic beamlines, nuclear labs, and radiation-intensive research environments.

BORON Aluminium

Metal Strength. Neutron Control. Reactor-Ready.

- 99.995% pure aluminium with 3–4% boron
- Withstands up to 300°C & vacuum-stable
- Drilled & shaped for custom reactor components

Applications

Control rods, reactor internals, neutron absorption systems, and nuclear engineering components.