

**Item Name:** Butyl Rubber Sheet (IIR)

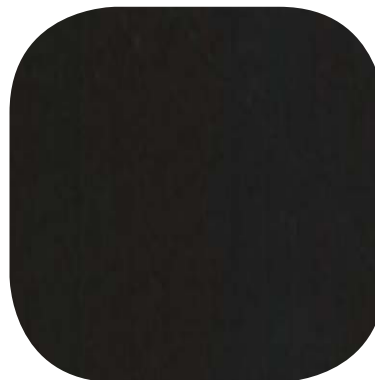
**Item Description:** Butyl Rubber Sheets Suitable for Various Applications

Butyl Rubber is a co-polymer of Isobutylene with Isoprene. They have excellent di-electric properties and low permeability to air and other gases. As such they are very versatile for electrical and marine applications. Due to its low resilience, they are ideal for vibration damping and shock absorbing application but offer moderate resistance to abrasion and compression set.

Butyl Rubber Sheets have a wide working temperature range of -45°C to +150°C. They have very good weathering resistance as well as moderate resistance to petroleum based fluids. It has excellent resistance to ozone, oxidation, and sunlight. It is not recommended for the use in contact with petroleum oils and fluids.

**Applications:**

- Gaskets
- Rubber Linings for Pipes, Tanks & Vessels especially against mineral acids, alkalis and aqueous acids.
- Grommets
- Seals and Packaging
- Anti-vibration & Shock Absorbing applications



Smooth Finish



Fabric Finish

Product Code	Specific Gravity (gm/cm <sup>3</sup> )	Hardness (+/- 5° Shore A)	Tensile Strength (min. Kg/cm <sup>2</sup> )	Elongation at Break (min. %)	Abrasion (Max. mm <sup>3</sup> )	Compression Set at 70°C for 22hrs (%)	Temp. Range (°C)
IIR 15070S	1.50	70	60	250	400	40	-40 to +120
IIR 15060S	1.50	60	60	250	400	40	-40 to +120
IIR 15050S	1.50	50	50	350	350	40	-40 to +120
IIR 12070P	1.20	70	100	400	250	30	-45 to +150
IIR 12060P	1.20	60	100	450	250	30	-45 to +150
IIR 12050P	1.20	50	90	500	250	30	-45 to +150
IIR CD (Custom)	1.10 to 1.80	40 to 80	30 to 130	200 to 500	250 to 500	30 to 40	-45 to +150

C - Commercial Grade | S - Standard Grade | P - Pure/Special Grade | CD - Custom Design

<b>Standard Sizes</b>	1) 1.2 Mtr. Wide x 10.0 Mtr. Long. 2) 1.0 Mtr. Wide x 2.0 Mtr. Long.
<b>Custom Size</b>	Max. width upto 2400mm, length upto 20M and thickness from 1mm to 100mm available on request.
<b>Standard Colour</b>	Black (Other colours available on request subject to availability.)
<b>Surface Finish</b>	1) SS - Both Side Smooth (Standard) 2) SF - One Side Smooth / Other Side Fabric Finish 3) FF - both Side Fabric Finish
<b>Manufacturing Tolerance</b>	±10% on thickness, ±5% on length, ±2% on width.
<b>Note</b>	Hydrogenated Butyl Rubber available on request subject to availability.
<b>Minimum Ordering Information Required</b>	<ul style="list-style-type: none"> <li>• Dimension (Length x Width x Thickness)</li> <li>• Application/End Use</li> <li>• Working Temperature in °C</li> <li>• Tensile Strength &amp; Elongation at Break</li> <li>• Hardness</li> <li>• Specific Gravity</li> <li>• Abrasion Resistance</li> <li>• Colour</li> <li>• Surface Finish</li> <li>• Total Quantity Required</li> </ul>

The data on this page represent typical values. Since application variables are a major factor in product performance, this information should serve only as a guideline. We assume no obligation or liability for use of this information. Unless we agree otherwise in writing, we make no warranties, express or implied, and disclaim all implied warranties. We shall not be liable for any special, incidental or consequential damages. We reserve the right to change product design and properties without notice.