



# Butyl Technical Datasheet

## Description

Butyl (IIR) rubber is manufactured from a blend of isobutylene and isoprene. Our commercial grade is typically used as cost effective gasket or seal for general purpose applications.

## Application

Butyl has exceptionally low gas permeability making it ideal for inner tubes and high pressure/vacuum sealing applications. It also has excellent resistance to heat, ozone, weathering, dilute acids and alkalis. It is not suitable for use in mineral or petroleum based fluids.

## Typical Physical Properties

Polymer		Butyl
Density (SG)	ISO 7619-1	1.23g/cm <sup>3</sup>
Hardness	ISO 2781	60° Shore A (+/-5)
Tensile Strength	ISO 37	8 MPa
Compression	ISO 37	21%
Elongation at Break	ISO 37	350%
Tear Strength	ISO 37	30
Abrasion mm <sup>2</sup>	ISO 37	90
Temperature Range		-30 to 115°C



## Availability

<b>Thickness</b>	0.5mm to 25mm
<b>Roll Width</b>	1400mm
<b>Roll Length</b>	10m (0.5mm to 6mm thick) 5m (8mm to 25mm thick)
<b>Hardness</b>	Other shore hardnesses available
<b>Colour</b>	Black

As the company's products are used in multiple applications and as the company has no control over the method of their use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise. Any technical co-operation is given for customers assistance only and with liability on the part of the company.