



## Technical Data

Butyl Rubber Sheets  
(ButylShield60 Pro)

### ButylShield60 Pro - Chloro

**Model: RS-BTSH(P)-CIIR12060**

**ButylShield60 Pro – Chloro** is a chlorinated butyl rubber sheet designed for use in chemically aggressive, low-permeability, and high-aging-resistance environments.

Its chlorobutyl formulation offers strong barrier properties against gas and vapor transmission, while maintaining flexibility and dimensional integrity across a broad temperature spectrum.

Suitable for both static and dynamic sealing, the material provides long-term performance in corrosive, outdoor, or vacuum-based applications. Its stable surface chemistry and compatibility with bonding agents make it practical for customized industrial fabrication.

This grade delivers value where low gas permeability, extended service life, and chemical resistance are essential—especially in vacuum seals, chemical tank linings, and fabricated covers.

Its formulation allows reliable bonding and shaping, supporting customized builds with long-term dimensional integrity. For industrial engineers and OEMs, it offers a lower-leakage alternative to general elastomers without compromising flexibility or process compatibility.

### PRODUCT FEATURES



**Low gas and vapor transmission rate**

Acts as an effective barrier in sealing and containment applications involving air or volatile compounds



**Resistant to atmospheric degradation**

Maintains structural integrity when exposed to prolonged ozone, UV, and outdoor conditions



**Chemically stable in harsh media**

Inert to a wide range of acids, alkalis, and industrial solvents, supporting use in corrosive zones



**Flexible in variable climates**

Remains pliable in both low-temperature and high-heat environments without cracking or stiffening



**Non-reactive surface behavior**

Reduces interaction with adjacent materials and facilitates adhesive bonding in composite assemblies



**Maintains mechanical properties over time**

Exhibits minimal aging effects, enabling extended service life in sealed systems



### DID YOU KNOW?

Butyl rubber's gas impermeability is so high that it's the preferred material for inner tubes and pharmaceutical stoppers, reducing gas transmission rates to nearly 0.0001 cc/cm<sup>2</sup>/day.

(Source: ASTM D1418)



MEASURED PROPERTIES	TESTING STANDARD	SPECIFIED VALUES	OBSERVED VALUES	
PHYSICAL & MECHANICAL PROPERTIES				
Tensile Strength	ASTM D412	8.0 MPa (Min)	8.6 MPa	
Elongation at Break	ASTM D412	350% (Min)	365%	
Hardness	ASTM D2240	60° ± 5° Shore A	62° Shore A	
Specific Gravity	ASTM D297	1.20 ± 0.05	1.22	
Working Temperature	-	-40 °C to +130 °C	Conforms	
CHEMICAL RESISTANCE				
Ozone	Dilute Acids & Bases	Conc. Acids & Bases	Oils	Solvents
Excellent	Excellent	Excellent	Fair	Not Recommended
IDENTIFICATION				
Branding	Duratuf			
Colour	Black			
Grade	Pro			
Polymer	Chloro-Butyl			
Polymer Content	100%			
Finish	Top & bottom plain			
Packaging	With white coloured HDPE woven fabric			
Labelling	Label indicating Product Name, Dimensions, Batch No., Mfg. Month & Year, Quantity, and Package No. to allow traceability			

Note: Manufacturing tolerance of ± 10% on thickness, ± 2% on width and length and ±10% on weight shall be applicable.

Applications	<ul style="list-style-type: none"> <li>Chemical tank and pipeline linings</li> <li>Vapor and gas sealing systems</li> <li>Flange and gasket sealing in corrosive areas</li> <li>Protective covers in ozone-prone outdoor setups</li> <li>Pharmaceutical and chemical storage seals</li> <li>Low-pressure vacuum environments</li> <li>Protective curtains in acid wash bays</li> </ul>
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## Ordering Information

Please provide the following details for accurate order processing

