

## Indian Standard IS 8391 (Part 1): 2019 Rubberized Coir Sheets for Cushioning (Curled)

When selecting rubberized coir sheets for cushioning, factors such as **durability**, comfort, resilience, and **proper grade selection** are crucial. The consumer wants sheets that provide optimal support, maintain their shape over time, and meet environmental standards, ensuring long-term comfort and reliability. Rubberized coir sheets are widely used in mattresses, furniture, and industrial applications for their natural resilience and breathability.

Indian Standard IS 8391 (Part 1), developed by the Bureau of Indian Standards (BIS), outlines the specifications and testing requirements for rubberized curled coir sheets. Depending on their indentation hardness index (IHI) and min density (D, g/dm<sup>3</sup>), the curled coir fibres sheets are graded as Medium (**IHI = 6-8.99, D=60**), Firm (**IHI = 9-11.99, D=70**), or Extra Firm (**IHI = 12-15, D=80**), depending on their hardness and density, allowing buyers to choose the right grade for specific applications.

Important tests like **Indentation Hardness, Flexing Resistance, Compression Set, and Ageing Resistance** simulate real-world usage to ensure the sheets retain their shape and support under continuous use. These tests ensure that the sheets provide **long-lasting comfort** and stability, reducing the **risk of sagging or deformation**.

Rubberized coir sheets that meet eco-friendly standards can carry the **Ecomark label**, signifying compliance with environmental regulations. This makes them a sustainable choice for consumers concerned about their environmental impact.

Proper marking and labeling on the sheets provide critical information, including product grade, dimensions, and eco-certifications. The **BIS Standard Mark** ensures that the product meets quality and safety standards as per IS 8391 (Part 1).

In summary, IS 8391 (Part 1): 2019 is your assurance that rubberized coir sheets are safe, durable, and environmentally compliant. Next time you purchase coir sheets, look for the BIS mark to ensure they meet these standards, providing you with comfort, durability, and peace of mind.