



## **Indian Standard IS 11652 : 2017, High Density Polyethylene (HDPE)/ Polypropylene (PP) Woven Sacks for Packaging of 50 kg Cement**

HDPE/PP woven sacks are a type of packaging material that are made from versatile thermoplastic polymers like High-Density Polyethylene (HDPE) and Polypropylene (PP) and are widely used for packaging of cement.

When choosing woven sacks for packing cement, customer look for strength, durability, and tear resistance to ensure safe handling and transport. Moisture resistance is essential to protect the cement from damage, while UV-treated sacks are preferred for outdoor storage. Additionally, recyclability is an important factor for environmentally conscious users, supporting sustainable packaging practices. These qualities help maintain the integrity of the cement from packaging to end use.

IS 11652 specifies the requirements for high-density polyethylene (HDPE) or polypropylene (PP) woven sacks used in the packaging of 50 kg of cement. The sacks must be made from virgin HDPE or PP material, meet specified dimensions, and may be laminated for extra protection if needed. This standard includes detailed guidelines on material requirements, construction, and testing of these sacks to ensure durability, strength, and safety in cement packaging. The standard specifies requirements for breaking strength, seam integrity, ash content, UV resistance, and drop impact testing. It ensures sack quality for secure handling, storage, and transport of cement, ensuring adherence to safety and performance standards in the industry. This standard supports manufacturers in producing sacks with reliable quality and protects end-users by reducing the risk of product spillage or damage.

The Department of Chemicals and Petrochemicals Quality Control Order dated 6th December, 2023 mandates that all HDPE/PP woven sacks for packing 50 kg cement - sold, manufactured, or imported in India shall comply with IS 11652 and display the BIS Standard Mark, ensuring quality of the product.