

## **Textiles - High density polyethylene (HDPE)/polypropylene (PP) woven sacks for packaging 10 kg, 15 kg, 20 kg, 25 kg and 30 kg foodgrains – Specification**

The National Food Security Act of 2013 has brought about an immediate need for food grain packaging in high-quality bags. This is to prevent food grain waste due to substandard packaging bags and to comprehensively cover all types of food grain packaging, which vary in grain size and density.

The Indian Standard IS 16208 was published by BIS in the year 2015 to prescribe the requirement of HDPE/PP woven sacks suitable for packaging all types of foodgrains (wheat, paddy, rice, pulses, millet, etc.). This standard specifies five types of HDPE/PP woven sacks for capacities of 10 kg, 15 kg, 20 kg, 25 kg, and 30 kg. The construction particulars specified are expected to ensure aeration of food grains. The fabric specified in Standard is to be woven with an anti-slip pattern to avoid oozing of grains out of the sacks and for better stackability. This standard specifies the constructional requirements such as dimensions, ends per decimetre, picks per dm, fabric GSM, etc., along with the performance requirements like fabric breaking strength, elongation at break, and bottom seam strength. To ensure the safety of consumers, the standard specifies the test requirements of food grain raw material and also the marking with food-grade ink only.