

## **Textiles - High density polyethylene (HDPE) polypropylene (PP) woven sacks for packaging of 25 kg polymer materials - Specification**

Polymeric materials are raw materials for a variety of end products, and they thus need to have a consistent quality for the downstream products. Therefore, maintaining consistent quality in the packaging, transportation, and storage of polymeric materials becomes crucial. HDPE woven sacks provide an ideal packaging solution for polymeric materials as key benefits include excellent moisture resistance, preventing damage to the polymer contents, and UV stabilisation bags for durability, which extend their outdoor usability. HDPE woven sacks are lightweight and cost-effective making them an ideal choice for industrial packaging applications where durability and cost efficiency are critical.

IS 16703: 2017 specifies constructional and performance requirements for packing 25 kg of polymeric material. Additionally, for the moisture-sensitive polymeric materials, additional loose liner requirements has been specified in the standard. To ensure the durability of sacks drop impact tests, the requirements of tensile and elongation have also been specified in the standard. This Indian standard covers the requirements for both UV-stabilized and non-UV-stabilized sacks.