



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

Polymeric materials are used as raw materials for a wide range of end products; thus, they must maintain a quality that is consistent for the goods that come after them. As a result, it is of the utmost importance to ensure that the packing, shipping, and **storage of polymeric materials** has a quality that is consistent throughout. There are a number of essential characteristics that make HDPE woven sacks a great packaging solution for polymeric products. These benefits include high **moisture resistance**, which prevents damage to the polymer contents, and UV stabilisation bags for durability, better **bottom seam strength** which extend their usability outside. As a result of their low weight and low cost, HDPE woven sacks are an excellent option for industrial packaging applications that place a premium on both durability and cost efficiency.

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. To ensure the performance of woven sacks while transporting requirement of bottom seam strength is also specified in the standard.