

IS 9755:2021 Textiles — High Density Polyethylene (HDPE) / Polypropylene (PP) Woven Sacks for Packaging Fertilizers — Specification

High Density Polyethylene (HDPE) / Polypropylene (PP) Woven Sacks for Packaging Fertilizers are a thermoplastic polymer that is lightweight and strong. It is resistant to chemicals and moisture, making it suitable for packaging a wide range of products. UV-resistant HDPE/PP sacks protect fertilizers from light exposure and degradation.

HDPE/PP woven sacks manufactured to pack 45 kg capacity for packaging of neem coated urea fertilizers and 50 kg capacity for packaging of other than neem coated urea fertilizers.

The fabric used in manufacture of sacks shall be woven as a tube on circular loom from HDPE/PP tapes having width of 2.5 mm (tolerance of ± 5 percent) conforming to IS 6192 and IS 11197 respectively.

Pillow type of sacks are used to pack fertilisers in powder form with the provision of liner.

White coloured sacks are used to promote recycling, recover, reuse and thereby support circular economy.

This standard prescribes major performance requirements like thickness of loose liner, drop impact strength of filled sacks, dimension, ends/dm, picks/dm, mass of the bag, breaking load along lengthwise and width wise for both UV stabilised and non-UV stabilised sacks, ash content.

This product meets the expectation of stakeholders for effective utilisation of fertilisers packed in HDPE/PP bags without any spillage and prevents degradation of material from UV radiations during storage.