

IS 15907 : 2010 AGRO TEXTILES — HIGH DENSITY POLYETHYLENE (HDPE) WOVEN BEDS FOR VERMICULTURE — SPECIFICATION

HDPE woven vermibeds are crucial in agriculture as they provide a durable, weather-resistant environment for vermiculture, ensuring optimal moisture levels for earthworm activity. Additionally, they are lightweight and easy to install, making them a practical, reusable solution for producing nutrient-rich organic compost. IS 15907 : 2010 specifies the constructional and other requirements for high density polyethylene (HDPE) woven beds for vermiculture used in producing compost for agricultural purposes. Apart from the constructional and performance requirements of HDPE woven beds like mass, breaking strength before UV exposure, welded seam strength (before and after UV exposure), tear strength, puncture strength, bursting pressure, colour fastness to artificial light, resistance to chemicals, environmental stress cracking etc, it also prescribes the requirements of materials used to manufacture the woven bed like HDPE Tapes, Fabrics, lamination on fabrics and cord beading. The bed shall be constructed by heat sealing laminated pieces of woven fabric of the desired dimension. Each bed shall be legibly marked with name and address of the manufacturer, dimensions and mass and year of manufacture.