

IS 15907 : 2010 HDPE Woven Beds for Vermiculture

Vermibeds are specially constructed structures or containers designed for vermicomposting, which is the process of using earthworms to convert organic waste into nutrient-rich compost. These beds provide an ideal habitat for earthworms to thrive and decompose organic material efficiently.

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.

The customer expects that these beds shall provide a durable, weather resistant and optimum environment for vermiculture and should be equally portable, to make them a practical, reusable solution for producing nutrient-rich organic compost.

The standard meets the above-mentioned requirements by prescribing important requirements 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.