



IS 16202 : 2014 - Agro textiles - Woven ground covers for horticulture application - Specification

Ground covers act as a natural barrier between gravel and soil, effectively preventing unwanted weeds from sprouting up and creating an optimal environment for crops to flourish.

IS 16202:2014 is an Indian Standard that outlines the specifications for woven ground covers used in horticultural applications. This standard aims to provide guidelines for the **quality, performance,** and **suitability** of these agro textiles, which are essential for enhancing plant growth and managing soil health in various horticultural practices.

The document specifies the **materials** and **construction** methods for woven ground covers, emphasizing the importance of durability, UV resistance, and **permeability**. These characteristics ensure that the ground covers effectively suppress weed growth, retain soil moisture, and provide adequate moisture and air to the plants. The standard also details the physical properties of the fabrics, including **tensile strength, tear strength, Index Puncture resistance,** and **resistance to environmental factors,** which are crucial for their long-term performance in outdoor conditions.

Additionally, IS 16202:2014 includes testing methods to evaluate the quality of woven ground covers, ensuring they meet the required standards for horticultural use. By establishing these specifications, the standard promotes the use of high-quality agro textiles that can enhance **productivity** and **sustainability** in horticulture.

Overall, IS 16202:2014 serves as a vital resource for manufacturers, suppliers, and horticulturists, guiding them in the selection and use of effective woven ground covers.