

## **IS 17513 Agro Textiles - Plant Support Nets for Agriculture and Horticulture Purposes** **- Specification**

IS 17513 specifies requirements for agro-textile plant support nets used in agriculture and horticulture. These nets are designed to support the growth of climbing plants, vegetables, and flowers, improving plant development, reducing damage, and increasing yields by providing vertical or horizontal support structures.

Farmers and horticulturists expect plant support nets to offer high durability, adequate tensile strength, resistance to UV degradation, easy installation, and stability under various environmental conditions. The nets must effectively support plant growth without sagging, tearing, or degrading prematurely, ensuring longevity and consistent performance throughout the crop cycle.

The standard addresses these consumer expectations through specifications that detail the physical, mechanical, and chemical properties of the nets. It includes requirements for material composition, tensile strength, mesh size, UV resistance, and durability testing methods. Compliance with IS 17513 ensures that plant support nets offer reliable performance, withstand outdoor conditions, and meet the needs of agricultural and horticultural users efficiently.