



Summary of IS 17357:2020 – Harvest Nets for Agriculture and Horticulture Purposes

IS 17357:2020 specifies the construction and performance requirements for harvest nets manufactured from HDPE monofilament yarn intended for agriculture and horticulture applications. These nets are designed to protect fruits from damage by preventing their contact with soil/ground, making them ideal for produce with firm peels like apples and oranges (but not recommended for soft peel fruits such as mangoes, guavas, and plums).

The **IS 17357:2020** standard establishes key quality parameters to meet these agricultural needs. Specifications include **strength and durability**, UV resistance to withstand prolonged exposure to sunlight, and **dimensional stability** to prevent distortion over time. Additionally, the standard outlines mesh size options to accommodate different crop types and sizes, providing flexibility across various farming applications. Nets that conform to **IS 17357:2020** are made from materials that ensure **tear resistance** and durability, suited for repeated use across harvesting seasons.

To guarantee adherence to these quality standards, **harvest nets undergo various testing protocols**, including tensile strength tests to ensure they can bear the weight of crops, UV resistance tests to confirm longevity, and abrasion resistance tests to enhance durability. Additionally, mesh dimensions and hole sizes are checked to align with the specified tolerances, allowing compatibility with different crops.

The **BIS standard mark** on these harvest nets ensures compliance with **IS 17357:2020**, offering assurance of their durability, crop protection capabilities, and suitability for agricultural and horticultural purposes. This standard promotes efficient, safe, and sustainable harvest practices for farmers and cultivators across varied agricultural sectors.