



IS 16390:2015 (Agro textiles - Nylon knitted seamless gloves for tobacco harvesters - Specification)

Acute **nicotine poisoning**, also referred to as green tobacco illness, is one of the most distinctive hazards that tobacco production presents to its workers. Workers who cultivate and harvest tobacco may be susceptible to **green tobacco illness**, an occupational poisoning. Nicotine is absorbed through the skin by labourers who come into contact with the leaves of the mature tobacco plant. The utilisation of knitted seamless nylon gloves by the labourers during the cultivation and harvesting of tobacco plants can significantly mitigate the aforementioned hazards. The seamless gloves should not restrict the worker's hand movements, they should be comfortable to wear, and the sweat from the hands should readily dissipate to the outer surface while working for long hours. Even after washing, the gloves should have a low amount of shrinkage in order to prevent the size alteration from the original size.

IS 16390 :2015 standard specifies the performance requirements and constructional details for knitted seamless gloves made from nylon yarn that are intended for tobacco harvesters. This standard specifies five sizes of knitted gloves from Size 0 to Size 4. To ensure the **thermophysiological comfort** of workers water vapour permeability and dimensional change to washing requirements for the knitted gloves have been specified in the standard. Additionally, the standard specifies a glove **finger dexterity test** requirement to assess an individual's capacity to perform tasks without restricted hand movements.