

## **IS 8156: 2014**

### **Fasteners for Consumer Goods — Synthetic Hook and Loop Tape — Specification** **(Third Revision)**

IS 8156:2014 is an Indian Standard that specifies the requirements for synthetic hook and loop tape fasteners. It includes details on materials, dimensions, construction, performance criteria, testing methods, and procedures for marking and packaging these fasteners. This standard offers guidance to manufacturers to maintain the quality and consistency of hook and loop tapes used across a wide range of consumer products, including everything from baby diapers to aircraft and spacecraft.

The two main types of synthetic hook and loop tape fasteners are Hook Tape and Loop tape, which feature hooks or piles, made from nylon 6.6 monofilament yarn and loops tape, made from nylon 6 multifilament yarn respectively.

According to IS 8156, the shear strength of all types of hook and loop tapes shall be at least  $675 \text{ g/cm}^2$  after 5,000 cycles of opening and closing. Also, the minimum dot tear strength for hook and loop tapes shall be 25 N.

IS 8156:2014 outlines the requirements and specific test methods for colorfastness in dyed hook and loop tapes for color fastness to light, crocking, washing, and seawater.