

# INEXTENSIBLE

*Meaning: Inextensible refers to a material or object that cannot be stretched or elongated under tension.*

1. The concept of an inextensible string is crucial in the study of physics, particularly in dynamics.
2. Despite the apparent flexibility of the material, it was determined to be inextensible under high tension.
3. Inextensible materials are often used in applications requiring precise measurements, such as in surveying.
4. The mathematician explained that an inextensible body could not change its length regardless of external forces.
5. Inextensible constraints simplify the equations of motion in certain mechanical systems, leading to more manageable calculations.

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