

COMPRESSIBILITY

Meaning: Compressibility is the measure of how much a substance can decrease in volume under pressure, particularly relevant in the context of gases compared to liquids and solids.

1. The compressibility of gases is significantly higher than that of liquids and solids.
2. Understanding the compressibility of a material is crucial for engineering applications in aerodynamics.
3. Researchers are studying the compressibility of various polymers to improve their performance under pressure.
4. The high compressibility of the foam allows it to absorb shock effectively.
5. In fluid mechanics, compressibility can greatly affect the behavior of gas flows at high velocities.

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