

SEMICRYSTALLINE

Meaning: Semicrystalline refers to a material that has both crystalline and amorphous regions, resulting in a structure that exhibits characteristics of both ordered and disordered arrangements of molecules.

1. The material was classified as semicrystalline due to its unique structural properties.
2. Researchers discovered that the semicrystalline nature of the polymer enhanced its mechanical strength.
3. In the field of materials science, semicrystalline polymers are often preferred for their thermal stability.
4. The semicrystalline regions within the composite contributed significantly to its overall durability.
5. Characterizing the semicrystalline phases of the alloy was crucial for optimizing its performance in industrial applications.

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