

glass transition

A *second-order transition* in which a supercooled melt yields, on cooling, a glassy structure. Below the glass-transition temperature the physical properties vary in a manner similar to those of the crystalline phase.

Example:

Lithium disilicate crystals melt at 1305 K; the melt can be supercooled to the *glass-transition temperature* at approximately 773 K below which the viscous liquid freezes to a rigid amorphous glass.

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