

QUESTION

1. The following figure shows a cross-section of a composite material. The matrix is a polymer with a glass transition temperature of 100°C. The fibers are made of a ceramic material with a glass transition temperature of 1500°C. The composite is used in a structure that is subjected to a temperature of 120°C. The composite is subjected to a tensile load. The composite is made of a polymer matrix and ceramic fibers. The composite is used in a structure that is subjected to a temperature of 120°C. The composite is subjected to a tensile load. The composite is made of a polymer matrix and ceramic fibers.

