

**TOPIC**

Material Properties – Section IX – Question 1

**QUESTION**

An epoxy matrix is reinforced with 70% glass fibers by volume. Given the elastic moduli of the glass and epoxy as 85 GPa and 3.4 GPa, respectively, and the specific gravity of glass and epoxy is 2.5 and 1.2, respectively, the elastic moduli in GPa of the composite in the direction of the glass fibers is most nearly

- (A) 27.88
- (B) 59.50
- (C) 60.52
- (D) 85.00

**CONTRIBUTOR**

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