

TOPIC

Materials – Section IX – Question 7

QUESTION

Most polymers exhibit

- (A) viscoelastic behavior
- (B) creep
- (C) mechanical properties degradation due to UV light exposure
- (D) all of the above

HINT

Viscoelastic behavior is similar to the nonlinear elastic mechanical behavior.

SOLUTION

Polymers exhibit viscoelastic mechanical response and creep. Their mechanical properties degrade due to UV light exposure. In general, polymers become harder and crack easier due to UV light exposure.

ANSWER

(D)

CONTRIBUTOR

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