

Q Among cellulose, poly(vinyl chloride), nylon and natural rubber, the polymer in which the intermolecular force of attraction is weakest is [JEE 09]

(A) Nylon (B) Poly(vinyl chloride) (C) Cellulose (D) Natural Rubber

Correct answer D Natural Rubber

Cellulose and nylon have H bonding type of intermolecular attraction while poly (vinyl chloride) is polar. Natural rubber is hydrocarbon and has the weakest intermolecular force of attraction i.e. van der force of attraction.