

ESSENTIAL REQUIREMENT OF FIBER FORMING POLYMERS

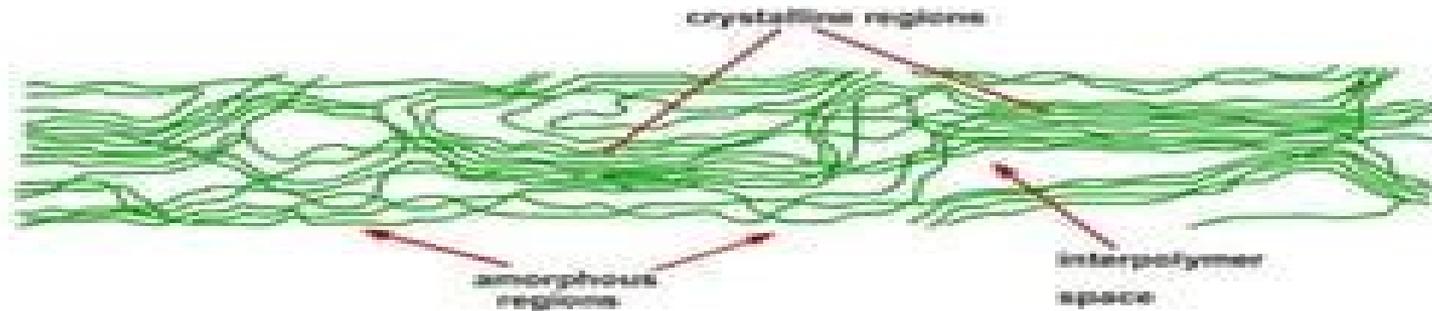


Fig 6: A fiber's polymer system representing amorphous and crystalline regions [1].



Fig 7: (a) an amorphous region and (b) crystalline orientation [1].

Note: Angular bonding exists between carbon atoms and tends to impart a zigzag configuration in the backbone of fiber polymers. c = carbon atom o = atom of another element = hydrogen bond.

vii. Formation of high-melting-point polymer systems

The fibers must have high melting point to withstand the most extreme heat conditions. Melting point of fiber needs to be above 225° C if it is to be useful for textile manufacture and apparel use. The longer the polymers and the better their orientation, the more inter-polymer forces of attraction will be formed, giving a more cohesive polymer system with a higher melting point. More heat or kinetic energy will be required to break the inter-polymer forces of attraction and free the polymers from each other. After increasing kinetic energy the polymers are free to move

Fiber Forming Polymers Recent Advances

Christian Drosten



Fiber Forming Polymers Recent Advances:

The Top Books of the Year Fiber Forming Polymers Recent Advances The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous engrossing novels captivating the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the captivating narratives that have charmed audiences this year. The Must-Read : Colleen Hoover "It Ends with Us" This heartfelt tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Fiber Forming Polymers Recent Advances : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Fiber Forming Polymers Recent Advances : Delia Owens "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Papan, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a brilliant and suspenseful novel that will keep you guessing until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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