fiber Reinforced Composition fiber reinforced composite in the most important composite in which the dispersed phase en the form dougleber with the surface of the surface embedded en the notrix. embedded en the natrix. Eq. floor, aircraft marine applications Critical fiber slougth 's necessary for effective strengthening and stiffening of the composite material is like a separate on the fiber diameter wil and ocet Toubile strongth or panels that have it hisporthoughbrelling turned as continuous fiber de thank ent fiber lengen terned as continuous fiber. for Discontinuous fibers, length of fiber significantly less than cutical length Continuous l'aligned fiber composites sue proputies of continuous and aliqued composités are highly anisotropic, that is they depend on the direction in which they are measured. the mareinum strongen is achieved along the direction of fiber alignment is longitudinal

CIASSMALE

_ (ii)	Diccontinguous Liber composites
	There are two types of discontinuous liber
10	Dissontinuous e alignade liber
15	Discontinuous & esquadoraly printed like
	There are two types of discontinuous fiber Discontinuous e aligned, fiber Discontinuous e randomly oriented fiber
->	The discontinuous fiber have down reinforcement
	efficiency than tudition continuous fibers to
-3	The discontinuous and alland history
	composites have greater application in the
	composites have greater application en sue commercial market compared to continuous.
	Application of continuous
1)	Derospace - used in aircraft structures, such as
	wings
2)	A dutomotive - applied in high performance
	componente like panels.
3)	sport Equipment : found in high-performance sport gear like bicycles, tennis rackets etc.
	sport gear like bicycles, tennis rackets etc.
	, 0
	Application of Ob_continuous.
1	construction - used in concrete and asphalt to
	Improve strengte and evar crack resistance.
2)	consumer goods - found in products like
	reinforced plastice and synthetic fibers in textiles. Automotive - In interior components where cost le case of manufacturing are important.
3)	dutomotive - In interior components where
	cost le case of manufacturing are important.

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satisadores isde Mecontivulation the colsientimous Continuous Discontinuous Discontinuous Randowly (digned) fibers digned) fiber Oriented greater application in ne suffbers. market combared to continuous elflication d continuers