metal matique

Fiber Reintoucud Fibre ou surjound use. Platic (FRP)

- Light wight I do not conduct - Jugh Just rusistant Properties high strungth in polyner matrix present step. electricity.

white was have a

frexibility.

-) Coursion / rusistant and air condition with while spirite and used in building invitation and amenage due to med in making care making armore due to , making cave and boats interior resistance

30-00% of vod of cartion, mature of aluminum, ampouted Lover and Silven cailled Proportie magnesium and titanium

cooch und in electricity related in They pones ships impact in nature, ther gran ladden at region temperature: Dolymun composites: sunta imperature itas righ studye meight stiffing eathbly extremely good

> todusty & duk break, duin shift moby. sluminum and Hagnidium metal matrix are used in automative

they can we want at sigher or that are used in frush was for They are used in disc ough components and combustion trange. rising Enginer in beamdical.

A Collinson Ceramic metal composites. CMC consists of curamic embedded in a curamic matrix Orbon, Stron Carbide, sumina (Alsos) and mulite (Alsos, Sige) c/c-carbon filey ruinforced in carlon. c/sic- Carbon silvers are rungoured in Micon Carbide.

## Proporties

- high fraction temperature

-) they have extremely high thurnal shock resistance

-> They have high load capability.

Mu.

I They are used as components for high temperature gas turbines, such as combustion chambers, Exhaust mixitie, twiline blade.

I They are used as components for burness flame holder and gas ducts

I They are used in heat shield system for space verilles.

Particle reinforced plastics (PRP).

Consists of Particles of one material dispussed in a matrix of a second material.

Preparation

PRP composite is prepared by dispusing small particles conformly in the dispused phase with help of heat treatment. This process is called pulipitation hardening. g: Al-cu, cu-Bo, Mg-Al, cu-sn.

## Properties:

They possess high strungth

They have low density and low Coefficient of sneumal caparision.

They possess excellent rusistance to gatique, lover and Ocea ruptavu

~ Lovesian rusistant and wear rusistants.

on mile trains in parts. Application: They are used in second surfaces where high the hardness of cement is inserted signific adding gravel as suinforcing fillies. 11. 18 But 1 i sign franting limpor itimes 2 of in indust this many right them it with secretary appliance our sine sure and part hereigh, such as any make for ingle sumpraises for hereight the product of hereight such and only one में है है के देश है के का का मेर है है है कि कार मह के कार they are used in heat which extent for space within. THIS PERSONAL DISTANCE (PR.F.). ें व सावर्गान हु व या से के मार्यायक के किया महिल्ल salomoje. Est miterite is enclosed by chirering whom in the content of the standard is come the content in the same in the content of the content f 161-00 in 20 19 is and thy work stone werest by in a will have the wife not town and the string of promise