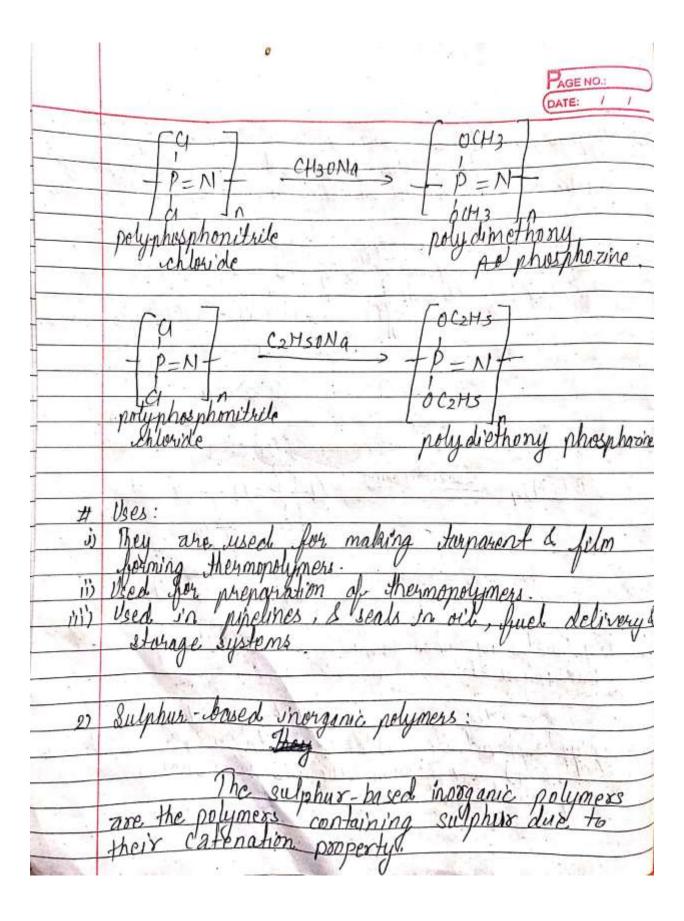
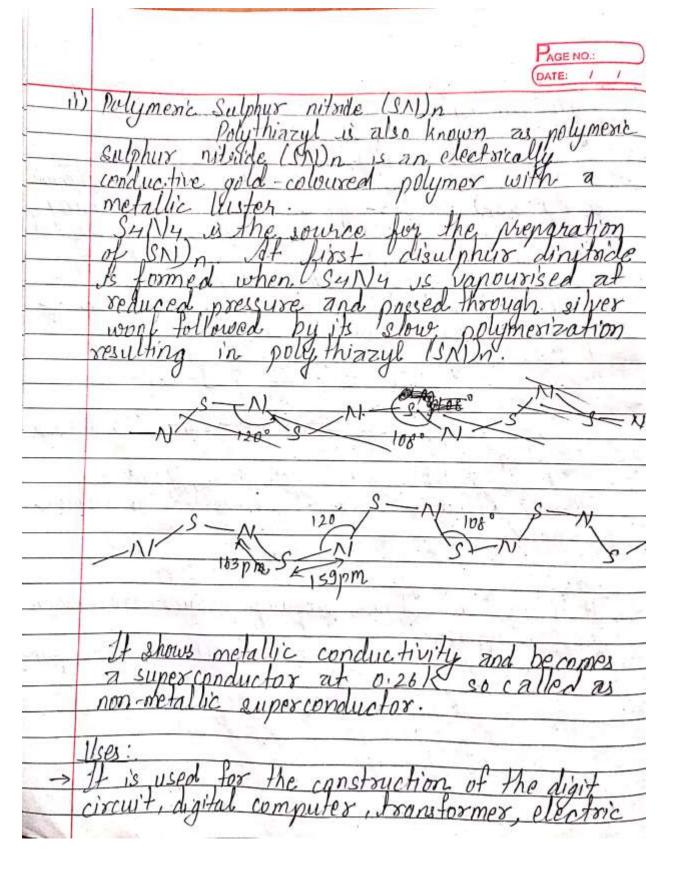


	PAGE NO.:
	Polyphosphonitrile chloride: They are prepared by heating of cyclic tetrames in vaccum about 250°C.
702	Polyphosphonitice cherice
	They are prepared by hearing of
	sychic tetrames in vaccum about 250 C.
	C-11 (1)
7	nPC15 + NH4C1 - (2)42C12
	-14n-11111AL
	petachloride chloride ( )
	111+ P=N+U+PU2N3 +
1	A de la cyclic
	tumer
_	(PCI2N)4
	cyclic tetramer.
-	
	1 CH
	a(PC)2N)4 250'c baceus a+P=N+C1+
	n(PC/2N)4 = 2500 Nattus CI+P=NI+CI +
1	161 21 40-4
	Chain polymer
- 12	(P4+2N2+3Q2)
2000	
b)	Polydimethony phosphazines & polydiethony
	Phosphazines.
	A STATE OF THE PARTY OF THE PAR
11	They are prepared by reacting of
	notyphosphomitrile thouse with sodiem months ar
	(CH3 OND) & & soctrum ethonide (C2H5ONa)
	orespectively was a
	a real service of the
	The state of the s

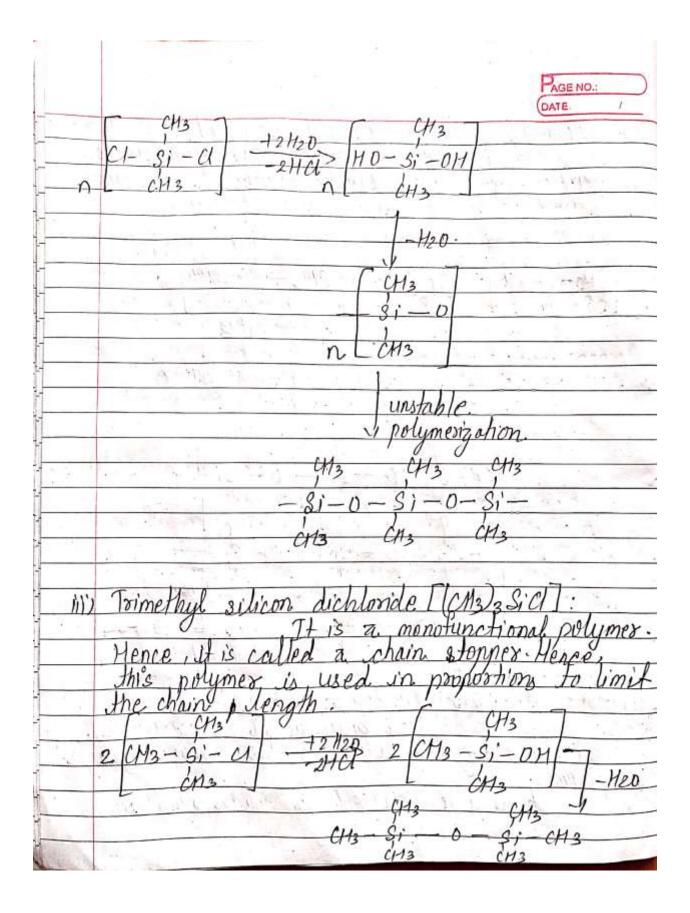




motor, etc Uses:

	PAGE NO.:
3)	Williams on Oiliams and
	Silicones or Silicone polymer:
	which contains alternate silicon onygen linkage.
	Organic radicals are attached with silicon atom.
	Organic suarcus ase acrorned with spicer arong.
	A
	$-S_{i}-U-S_{i}-D-$
4	
a Luci	Ohe navation:
	Silicones are monred by renoting
	ally halide or by reacting silten halide with
	Gingwood's reagent.
	Si + CHaCL -> CH3SiCl3 + (CH3)0 SiCl2
	SiCly + CH3 MgCl -> (CH3) 3 SiCl + (CH3) SiCl +
	Macl2.
	V .
	distillation method! prepared by the fractional
	distillation method!
	Types of silicone polymers:
	Monomethyl silicon trichtoride [H3Sic/3]
2)	Dimethyl silicon tichloride [(CH3) 2Si Cl2] Trimethyl silicon trichloride [(CH3) 2Si Cl2]
3	Trimethyl Silicon trichloride (CH3) 3 Si CI
-	
1100	

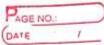
Monom	nethyl silicon	Inchlored It is I	e [c	H3SiC/3]	ed unite
part	nethyl silicon icle and mer	gives cros	s-Jir	king to	the final
[ [ ] [ ]	9 7	3H20 > n	CH2	0H - Si-0H	
CIIS	d J	n U		instable.	
1	The same	1		polymenized	tion
	CH-	0 9:- n -	si`—	0-51	Las Au
-34	CIT	şi-0-	0	9	
	in the second	\$ -0-	1		n h landa
19/1	1	monome	ari	of the state of	7.7
(i)	Dimethyl silic	on dichlo	ricle 10 pitunct gives	(H3) 2 Si Ci ional uni	particle.
	polymes.	also cal	led a	s silicon	rubbes-
	SILV	2 8 7 V- 3			



	DATE
#	Different types of silicone polymers and their uses:
5 1	uses:
7)	Silicon oils Liquid silicone polymer:  Generally they are dimethyl silicone polymers having low molecular weight. They
	Jumps business they are almenge strick
	fortimes having only movements weight may
	mossesses low surface tension, a very small change in viscosity rete.
	smare and ge sh treesing with
1	Uses:
L <sub>3</sub>	They are used as high-temperature lubricants
	They are used as highly stable and non-volatile. They are used in cosmetics and polishes.
لح ا	They are used in cosmetics and prosper.
	They are used in hear traces the means as
- 45	They are used in heat transfer media as damping and hydraubic fluids.  They are used in high vaccum pump.
	meg are as a
- b	Ellicon greases: like I form of citizen ail
	They are prepared by adding carpon black silicon wood flour, china clay to silicone oil.
Tab	They are prepared by adding conson pare
	suce, wood from , crime cong to
	1/501:
4	They are used as lubricants in auplanes. They don't freeze at low temperature 2-402
- by	They don't freeze at long temperature C-40C
	and don't meet upto 200 c. so suche as
	used in cold as well as not circumstances

		PAGE NO.:
-	()	Solid silicone resins:
-		They Zoo highly capes - linken pallmers
		polymer of Infunctional silicon polymer.
	377	
-	L	Uses:
		They are used for making high-temperature
	1	Institution materials.
+		They are mixed with paints, pigment and enamel
-		They are mixed with paints, nigment and enamel to make them resistant to the effect of high temperature, sunlight and chemicals.
-		The second secon
+	d)	Silicon nubber:
1		They she obstrined by where I is
-		molecular weight of linear dimethyl silicon.
+	1 23	which causes the formation of cross-linked
	2.1.3	between methyl groups of adjacent chains.
+		
t	->	They are used in ceiling joints of aircrafts
L		and insulating electrical north like transplan
_	1	when which cannot be heated.
		The Property of the party of th
16-		The state of the s

-4- (40)



	PAGE NO.
	DATE /
- #	Properties of Silicones
<u> </u>	They have high range of thermal stability
	(100°C - 250°C)
j'	i) They are able to renel water.
i)	They have exe excellent resistance to mygen,
	Azodo 1111 - have of
i'v'	They have low chemical new reactivity
17	That have my men conscient
VI	They don't support micro-biological growth
***)	mey are suggest the suggest of
14	
- 11	Uses:
#	They are used as a sealing material in search
	lights and in aircrafts engines.
u)	The in all at proce included
11/	As adhesives in electronic inclustry, for making artificial heart valves transfusion
1111)	to a making astitical heart sales deals cision
	tubing and padding to finastic surgery.
[v.	tor gosulating the elect state willing in supple
· (V	tor making artificial heart valves somewises of stubing and padding for plastic surgery. For ansulating the electrical wiring in ships, for mainufacturing types for fighter aircrafts.
	0 0
- 1	
1 15/1	
100	