

(Silicone)

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(Silicon)

	14		
	Si		
	28.0855		
(°C)	1410	1.11	(10 ⁻¹⁰ m)
(°C)	2355	1.8	

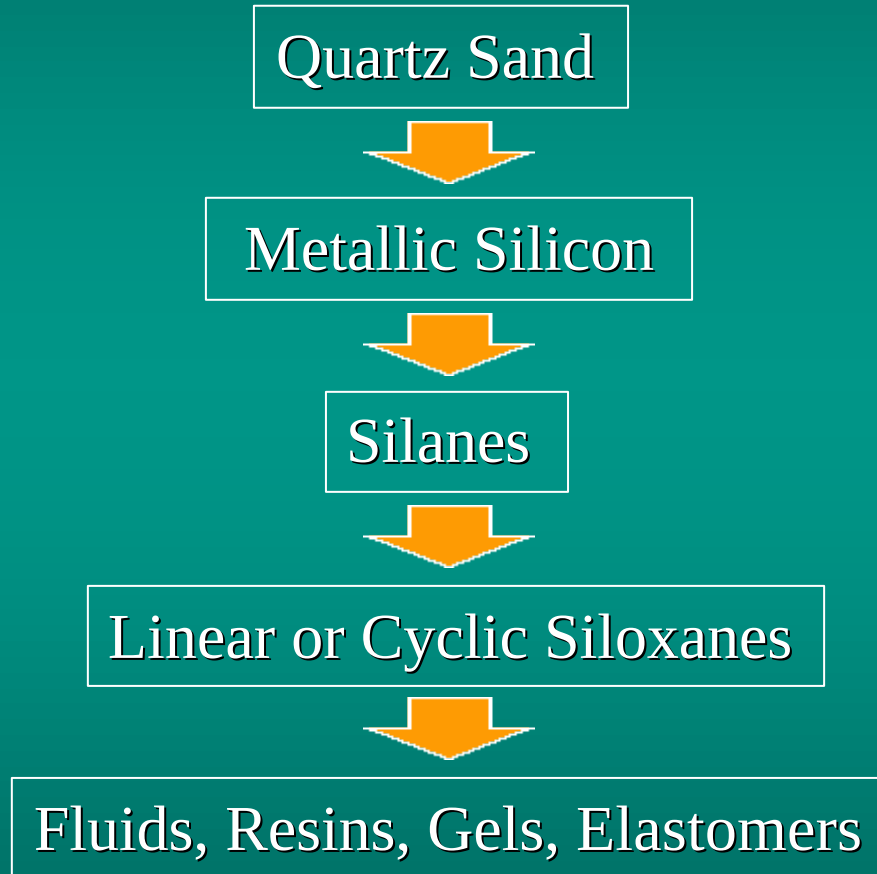
(Silicon)

- 14 (4)
- Berzelius - 1823
- 28 % 가 Silicon
- -

(Silicon) 가

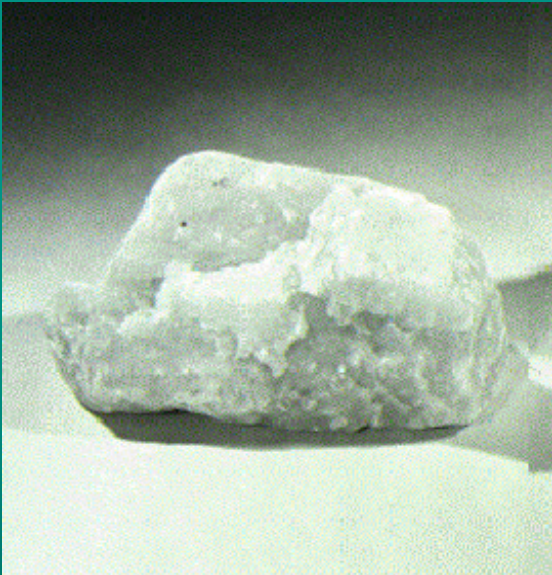
- Silicon
 - Silicon
- - (Silicone)
 - (Resins)
 -
 - etc.

(Sand to Silicone)



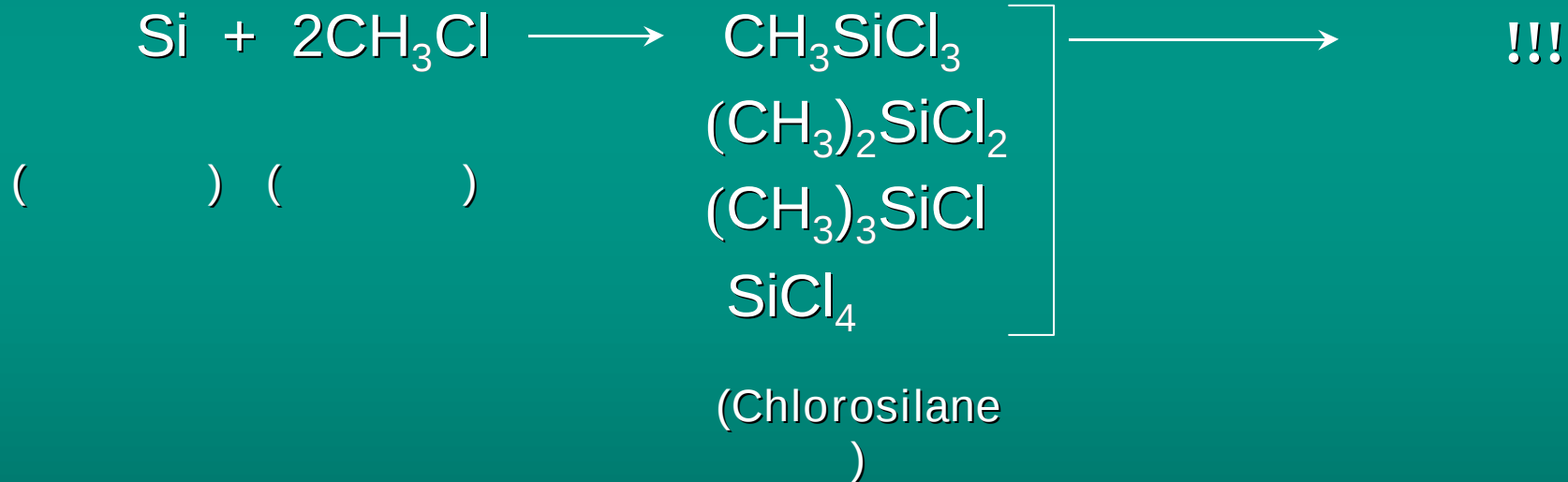
Silicone

- Silicon



Silicone

- Chlorosilane



Silicone

- Chlorosilane

CH_3SiCl_3 ————— Resin /Specialty

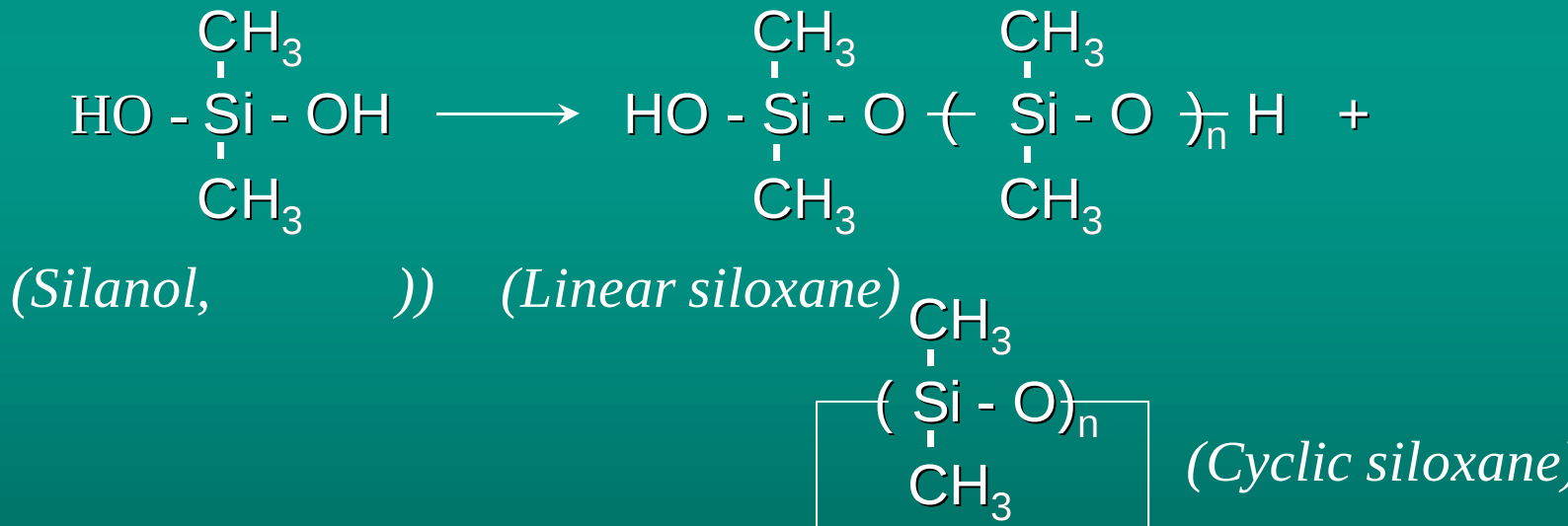
$(\text{CH}_3)_2\text{SiCl}_2$ ————— Linear polymer

$(\text{CH}_3)_3\text{SiCl}$ ————— Polymer endblocker

SiCl_4 ————— Silanes/Fumed silica ,

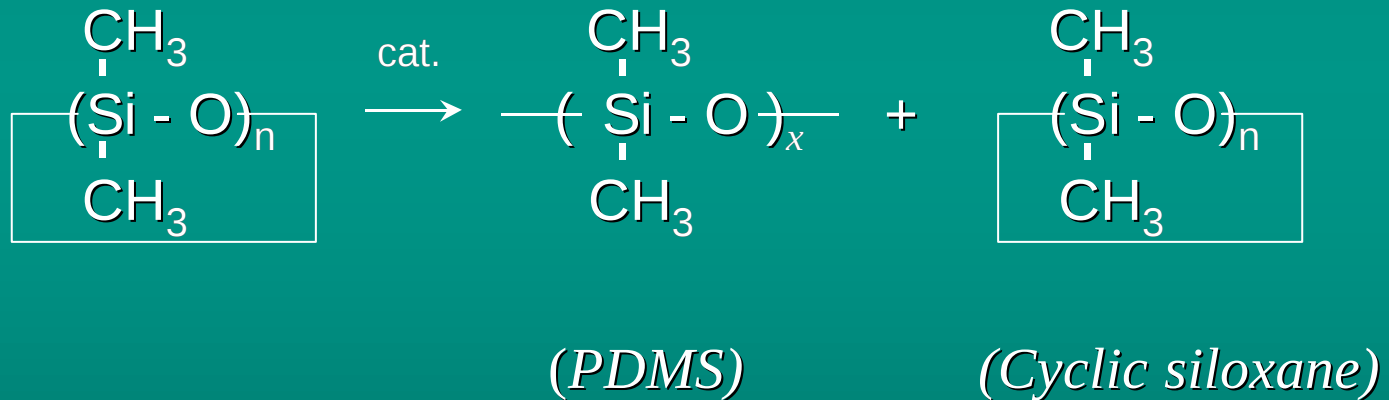
Silicone

- Dimethylsiloxane



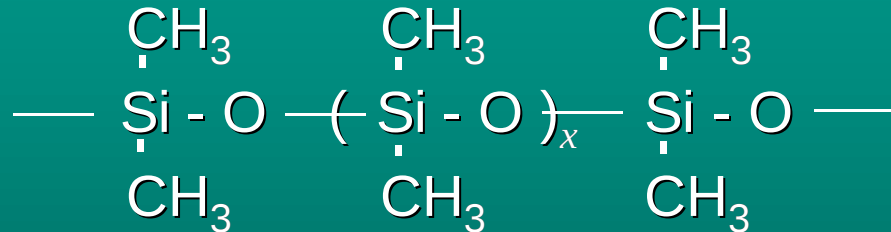
Silicone

- PDMS (Polydimethylsiloxane)



PDMS(Polydimethylsiloxane)

- Gum
(0.65cs ~ 1 cs)



Silicone

- (Fluids)
- (Resins)
- (Silanes)
- (Greases)
- (HCR/LSR)
- RTV
- (Emulsion)
- (Dispersion)
- Powder
- Etc.

Silicone

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- 가
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Fluid

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PDMS

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(Specialties)

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RTV

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- 가
- (X-linker) ,
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- Sealing ,

HTV



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- HCR LSR
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- 가
(LSR/HCR)
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가

(HCR)



Silicone

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Silicone



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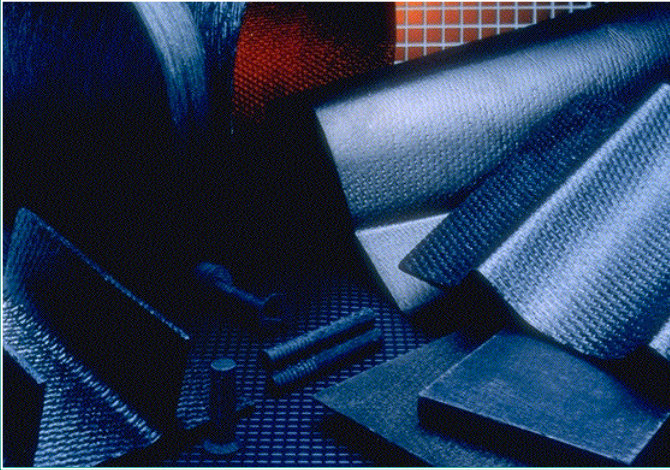
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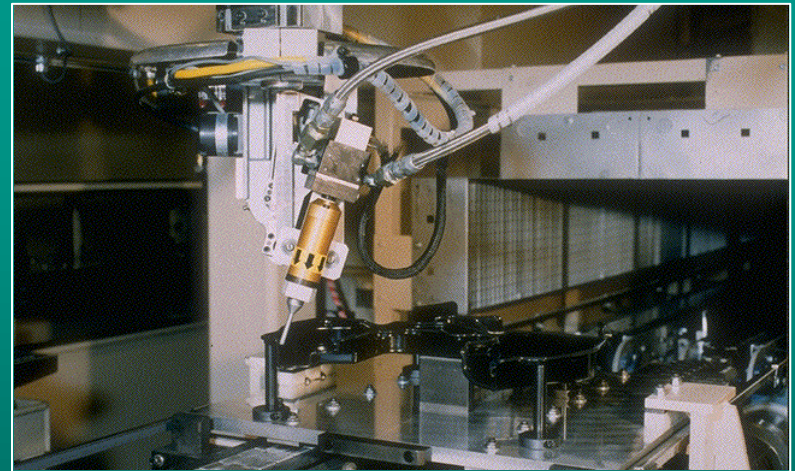
PSA

/가

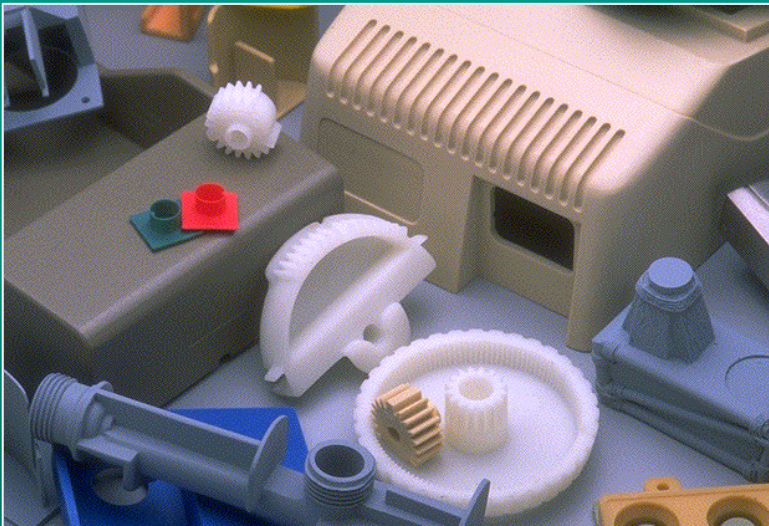


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- ,
- Specialty



- 가 (Processing aids)
- (Silane)



- (Catalyst modifiers
- (
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- **glazing**
- **Fire stop system**
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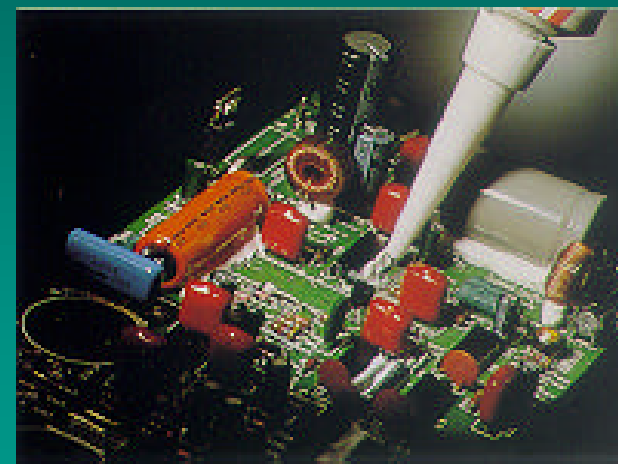


Dow Corning Corporation

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encapsulants



PSA

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- **Pressure-sensitive adhesives**



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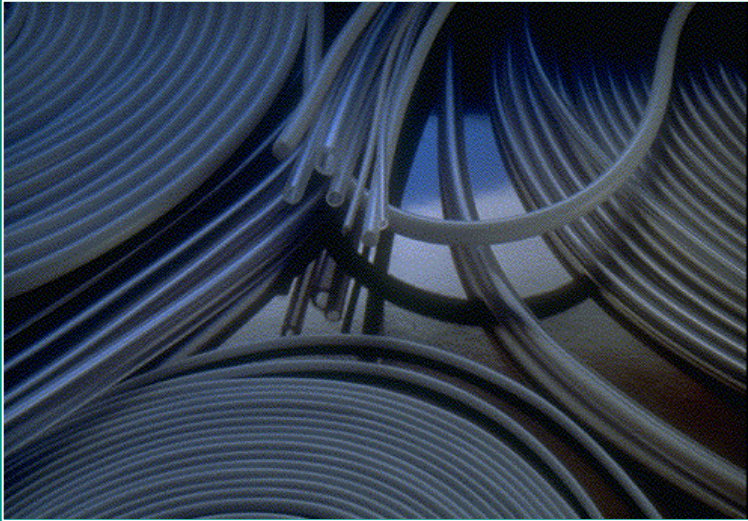
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- Health and beauty aids,
- Household care
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- **Medical-grade**

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- **Medical-grade fluids**

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- 가 , fluids

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