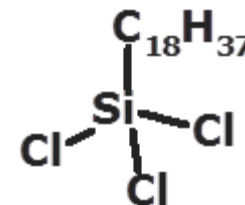


# Sunniest (SunShell) Bonding Technology

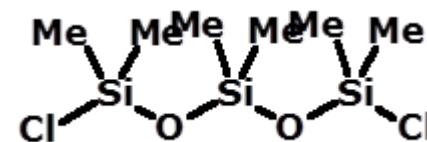
✓ Trifunctional silyl-reagent,

(Octadecyltrichlorosilane)



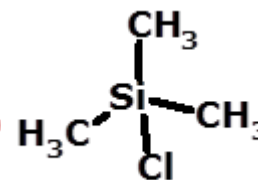
✓ Difunctional silyl-endcapping reagent

(Hexamethyldichlorotrisiloxane)



✓ Second silyl-endcapping reagent

(above + Trimethylchlorosilane(TMS))

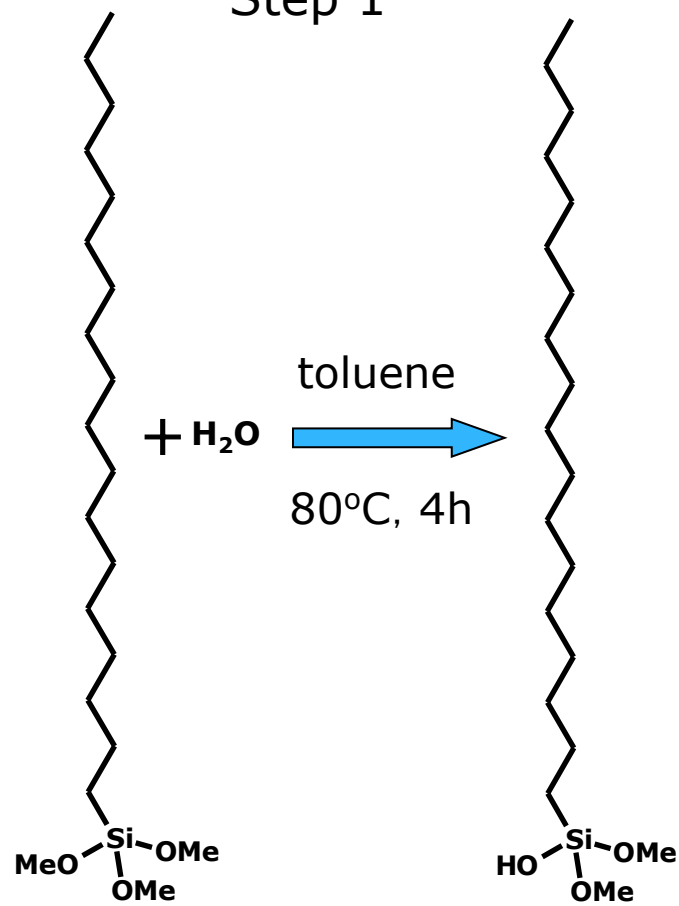


✓ High reaction temperature for endcapping

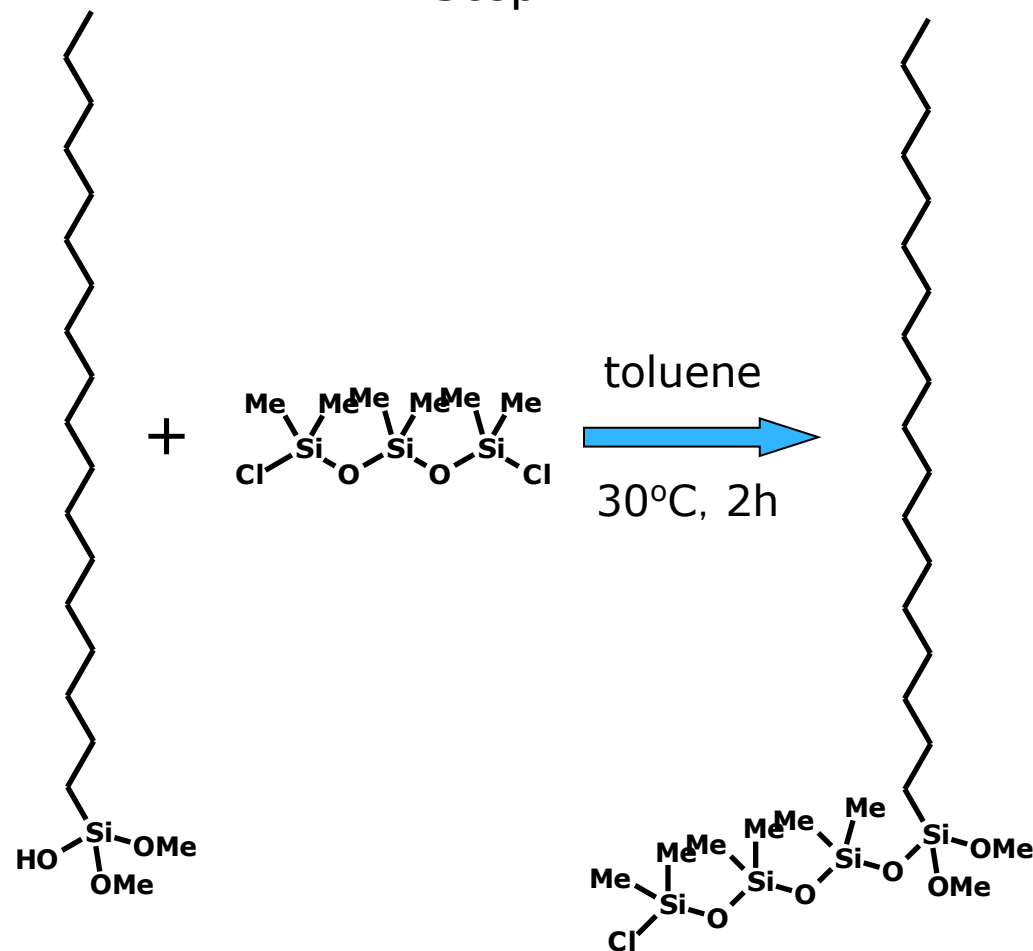
# C18 silyl-reagent (HMOTDS)

Hexamethyloctadecyltetrasilane

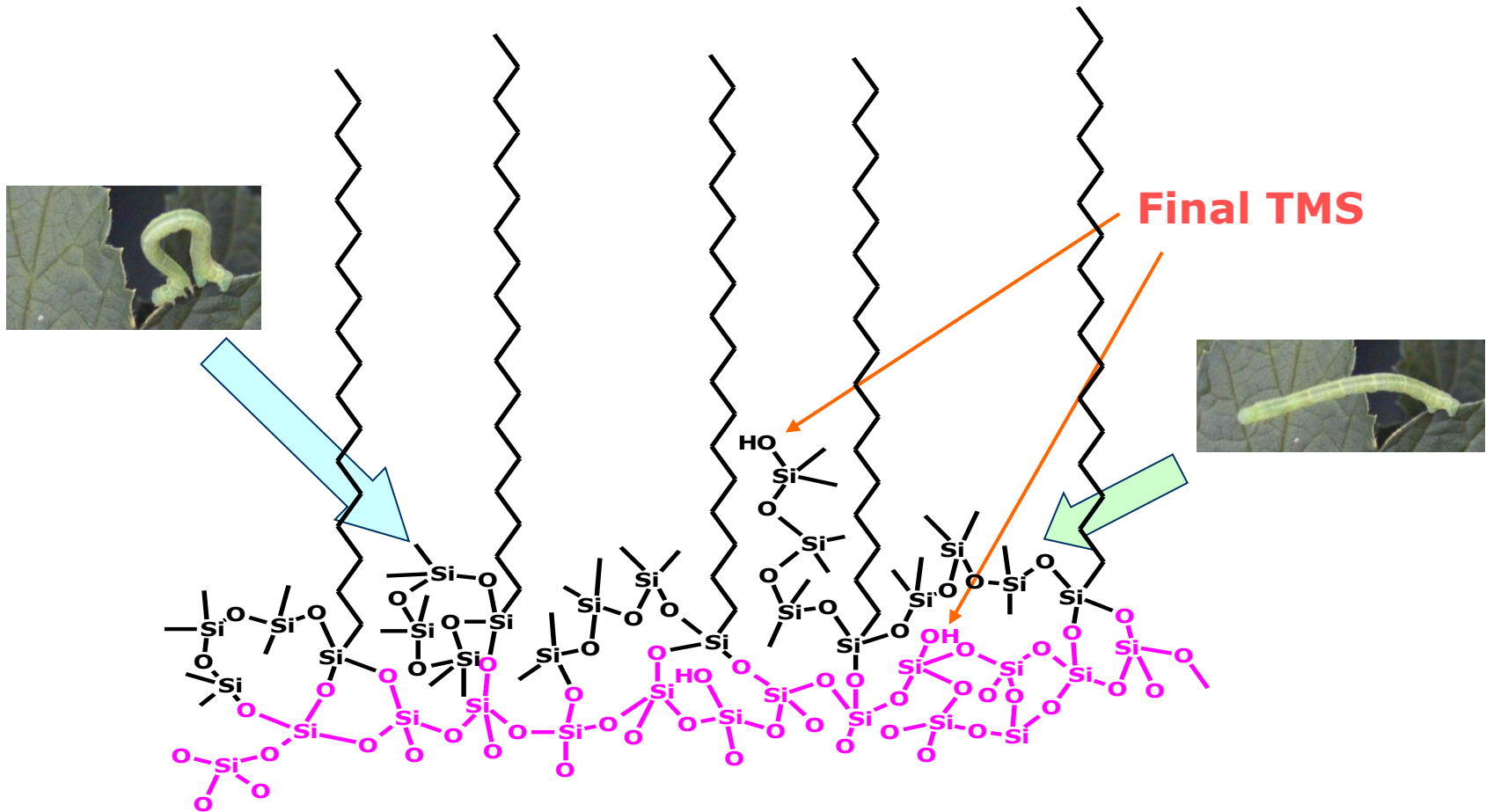
Step 1



Step 2



# Bonding state of HMODTS on silica



An Arm of HMODTS moves like a ***Geometrid caterpillar***, so that a functional group on the tip of the arm can bond with a silanol group which is located anywhere.