



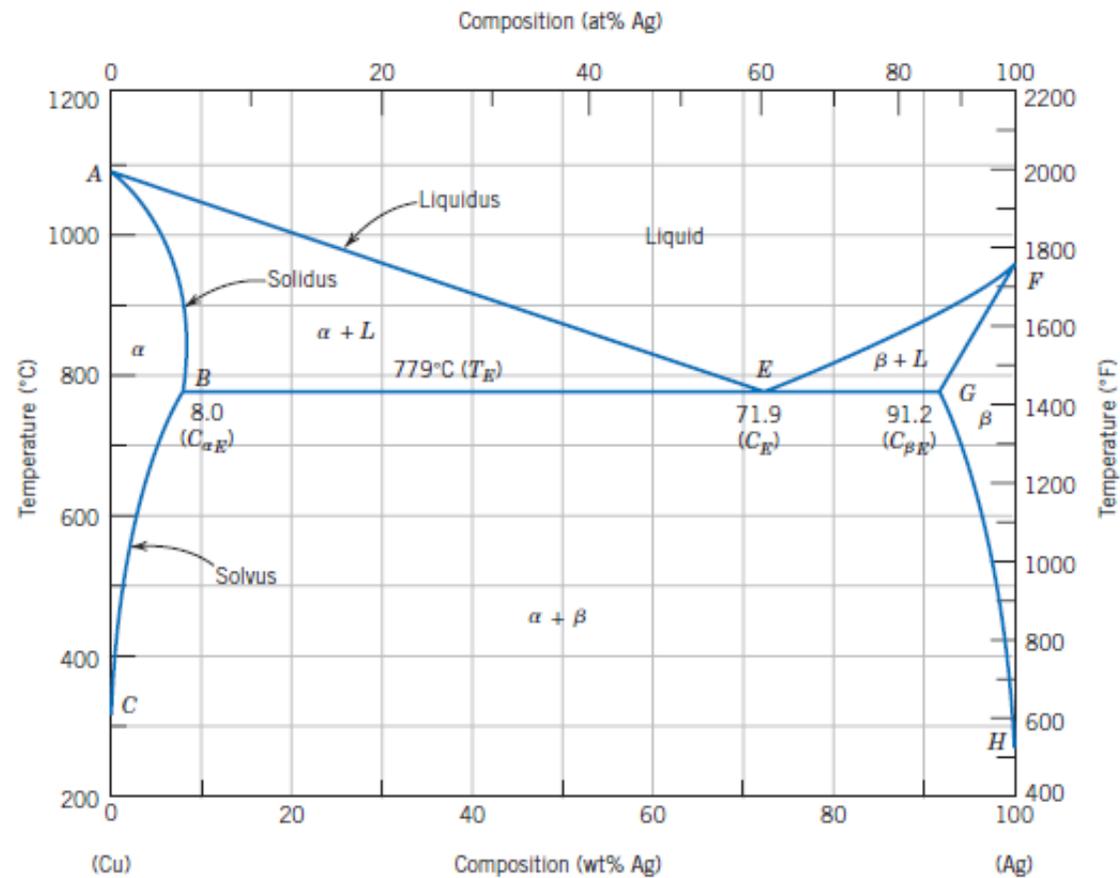
05

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# MATERIAIS DE CONSTRUÇÃO MECÂNICA

Engenharia Mecânica  
Prof. Luis Fernando Maffei

# Diagramas eutéticos



# Reação eutética

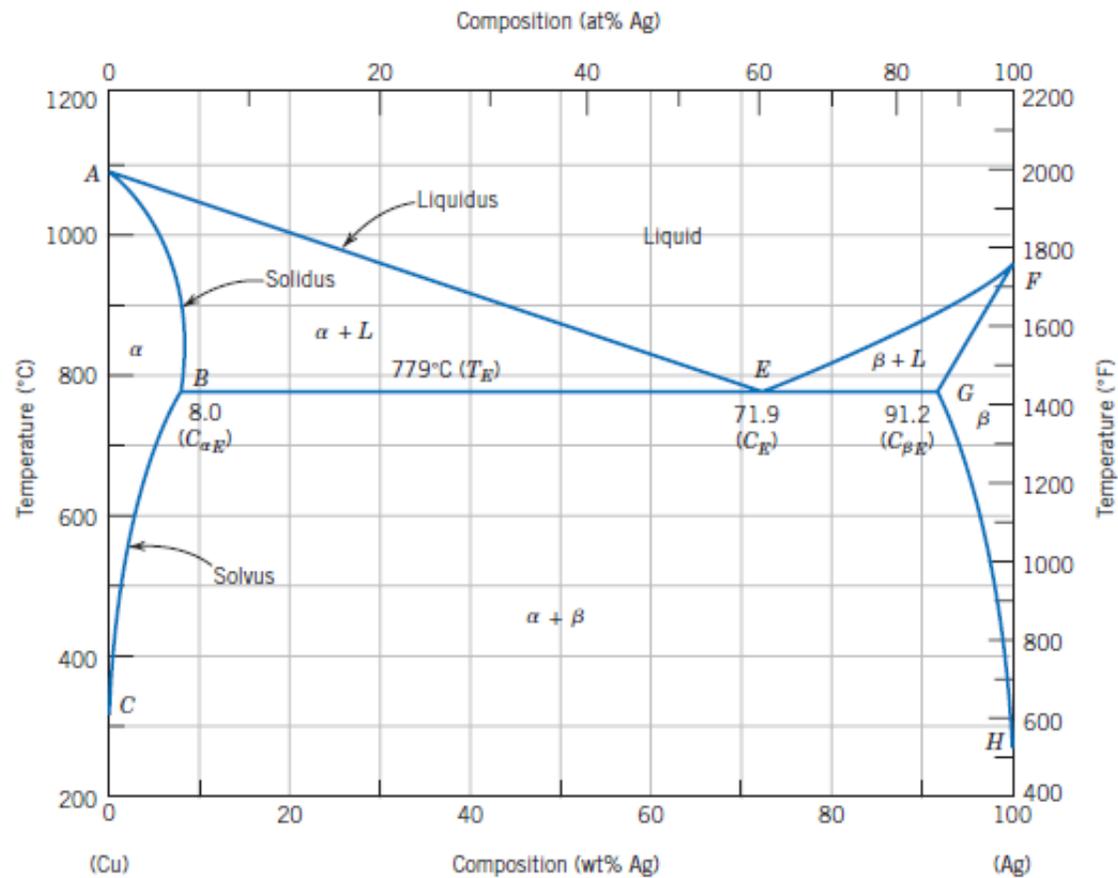
- Uma fase líquida, durante o resfriamento, se transforma em duas fases sólidas diferentes



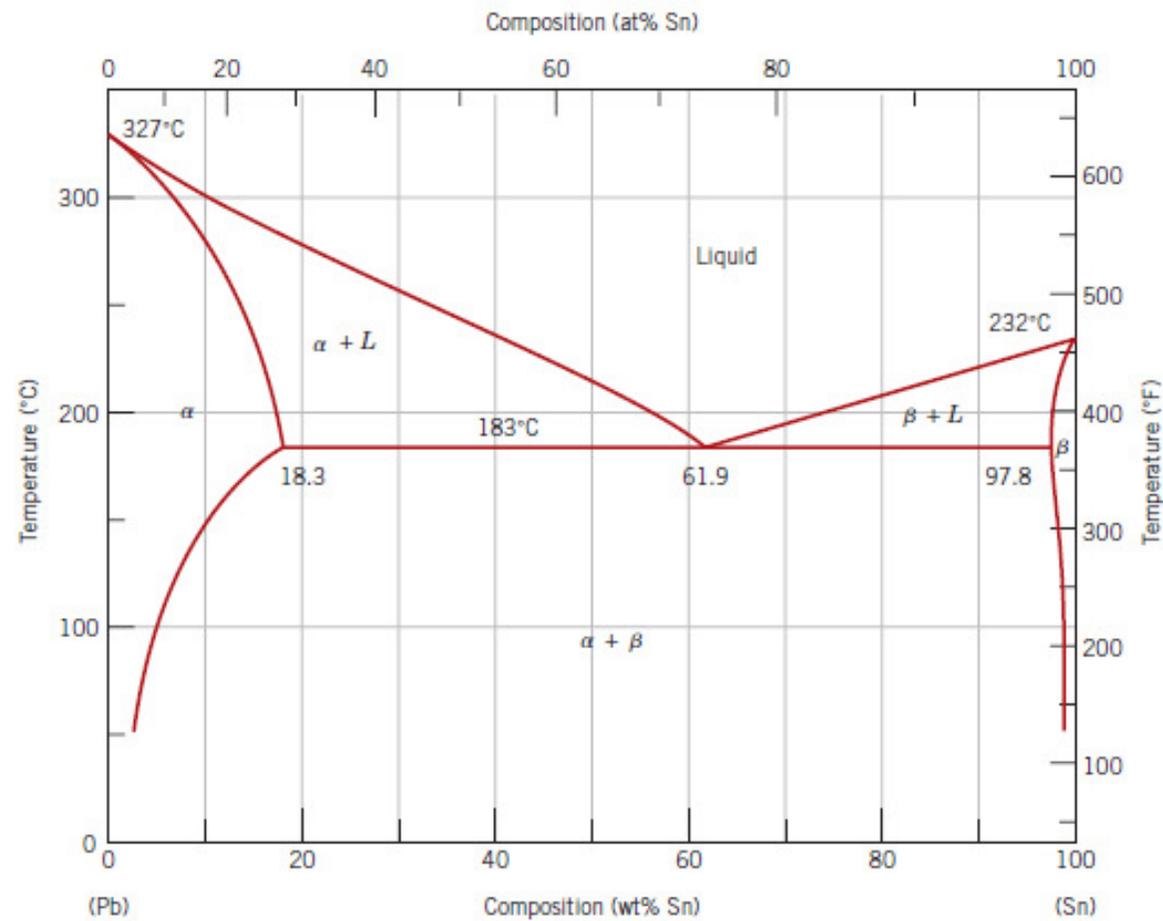
- A temperatura em que a reação eutética ocorre é denominada temperatura eutética.
- Durante o aquecimento, à temperatura eutética, as duas fases sólidas se transformam em uma única fase líquida



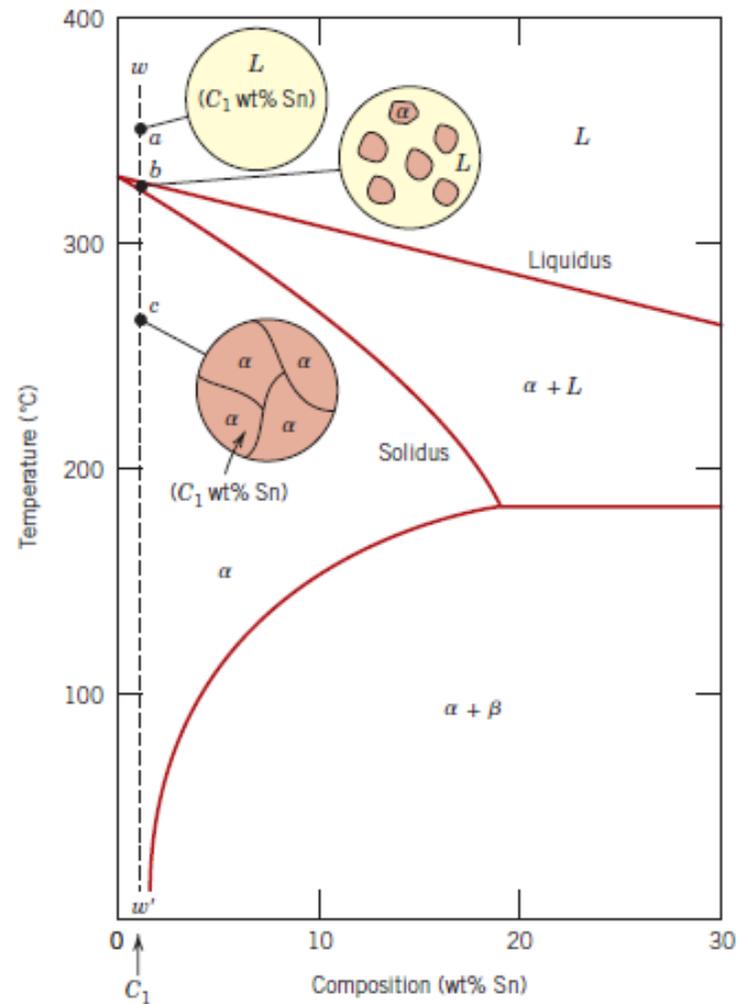
# Reação eutética: $L \rightarrow \alpha + \beta$



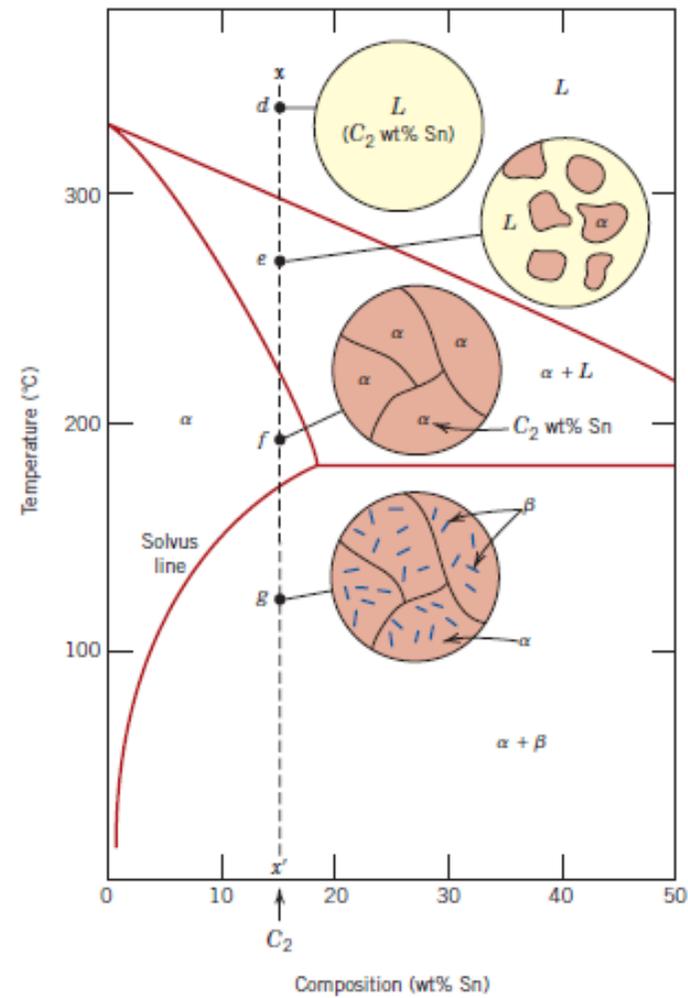
# Sistema Pb-Sn



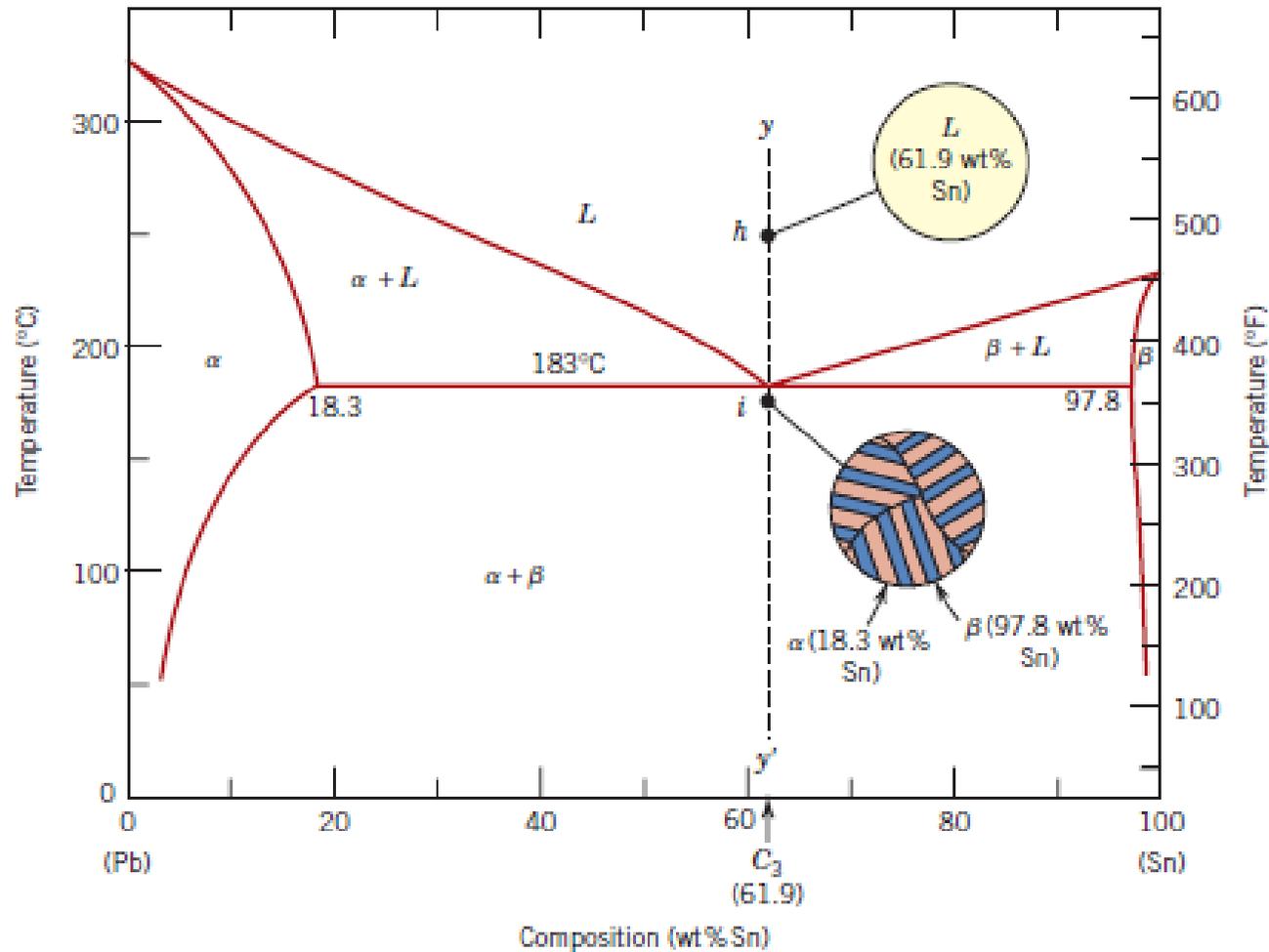
# Microestrutura – $C_1$



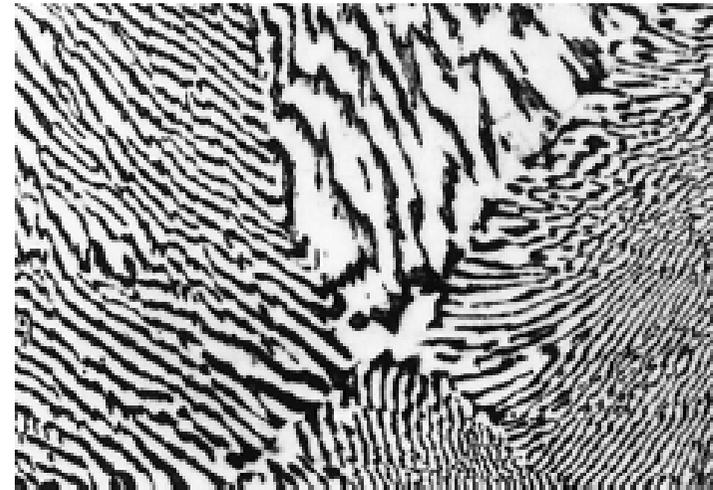
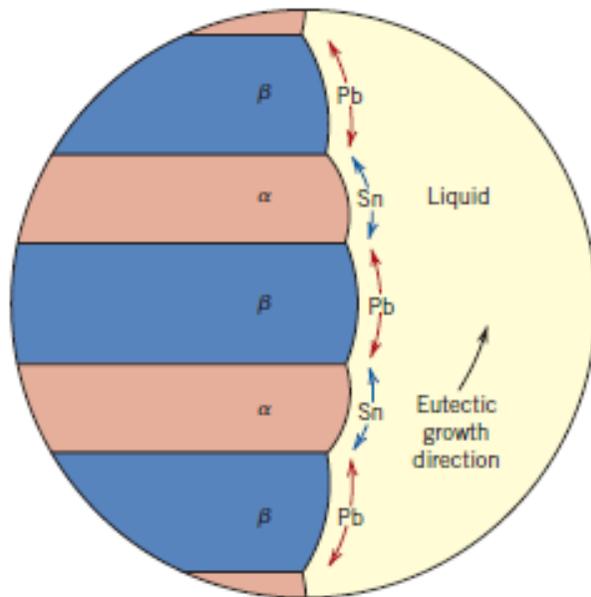
# Microestructura – C<sub>2</sub>



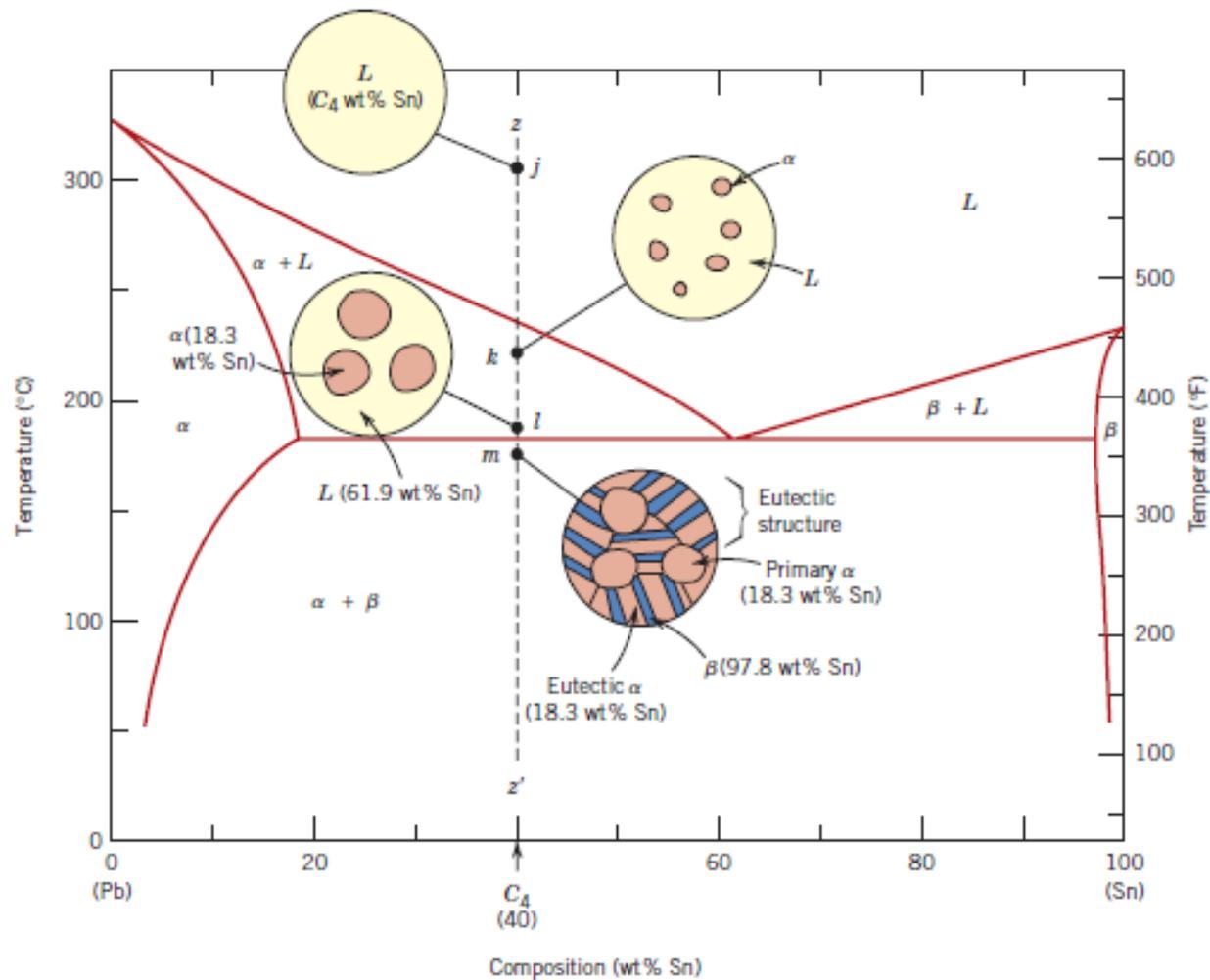
# Microestructura – C<sub>3</sub> (eutética)



# Microestructura – $C_3$ (eutética)



# Microestrutura – C<sub>4</sub>



# Microestrutura – C<sub>4</sub>

