



Fig. 1.8. Effect of particle size and opening diameters of the flow device on the flow of powders
a) small opening dia.
b) medium opening dia.
c) large opening dia.

Finura de óxido aumenta a escoabilidade

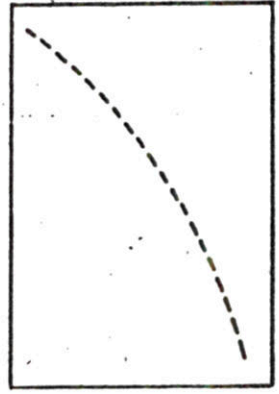


Fig. 1.9. Flow time as affected by the specific surface of the powder

x pó com alta esp. espec. mol

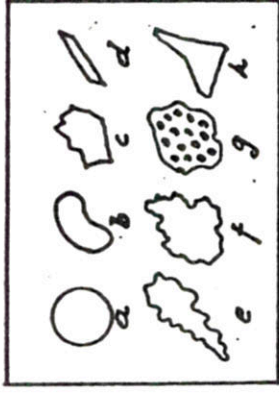


Fig. 1.10. Various shapes of metal powders
a) spherical
b) rounded
c) angular
d) acicular
e) dendritic
f) irregular
g) porous
h) fragmented

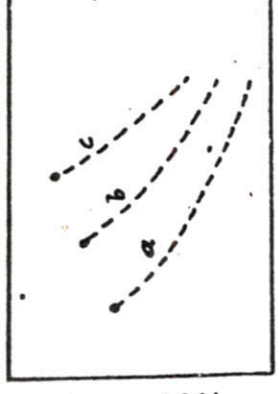


Fig. 1.11. Effect of powder particle shape on the flow time
a) spherical shape
b) irregular shape
c) dendritic shape

x Escoabilidade depende da forma das partículas.

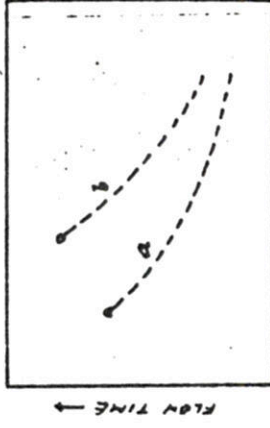


Fig. 1.12. Effect of particle size and oxidation on the flow of metal powder
a) oxidized particle surface
b) metallic particle surface

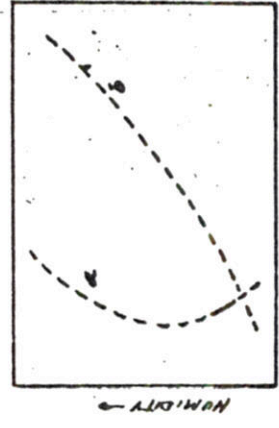


Fig. 1.13. Flow time of metal powders as affected by humidity (a) and temperature (b)

humidade pode prejudicar a escoabilidade

Mixing of Powders

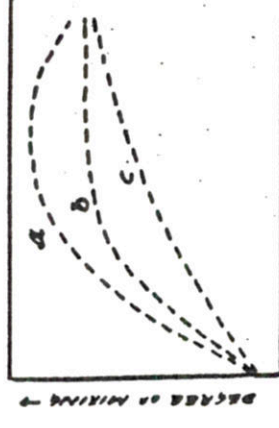


Fig. 1.14. Effect of mixing time on the degree of mixing for 3 different types of mixers

Quanto de mistura na de pouco de tipo de moedor

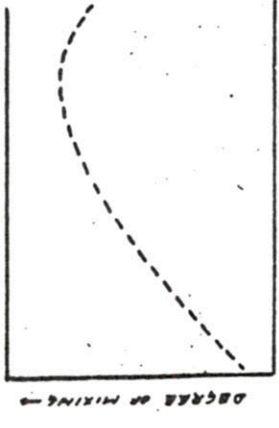


Fig. 1.15. Degree of powder mixing as affected by the ratio of the mixer volume to the volume of the powder

Relação ótima V mist. / V pó