

Wider Particle Size

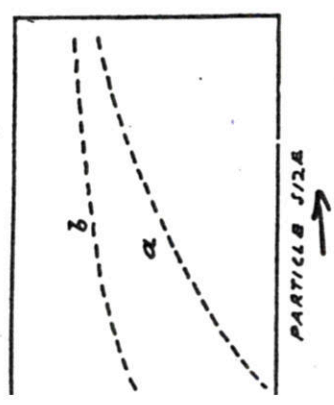


Fig. 1.1. Effect of powder particle size on the density of the loose powder  
 a) apparent density  
 b) tap density

*diminui-se o aparente  
 cresce com tamanho  
 de partícula*

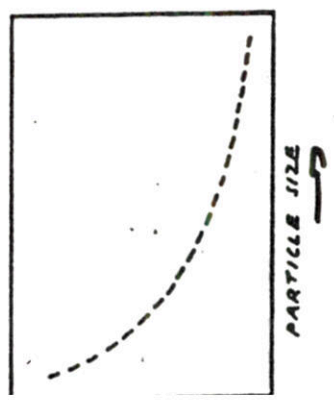


Fig. 1.2. Specific surface of the powder mass as a function of particle size

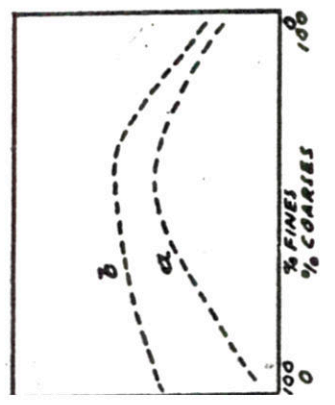


Fig. 1.3. Effect of mixing of coarse and fine powders on the density of a loose powder mass  
 a) apparent density  
 b) tap density

*diminui-se com posi-  
 ção granulométrica  
 ca p1 melhora o  
 desempenho aparente*

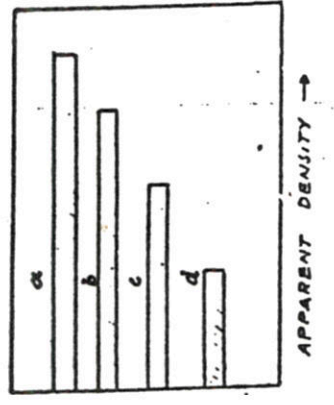


Fig. 1.4. Apparent density of a powder as affected by particle shape  
 a) spherical  
 b) round  
 c) irregular  
 d) dendritic

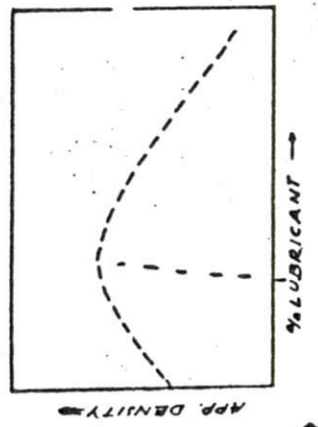


Fig. 1.5. Effect of the amount of lubricant added on the apparent density of a powder

*Existe teor  
 ótimo*

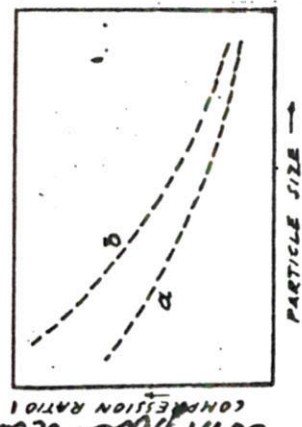


Fig. 1.6. Effect of powder particle size and oxidation on the compression ratio:  
 a) metallic particle surface  
 b) oxidized particle surface

*Fator de  
 compactação*

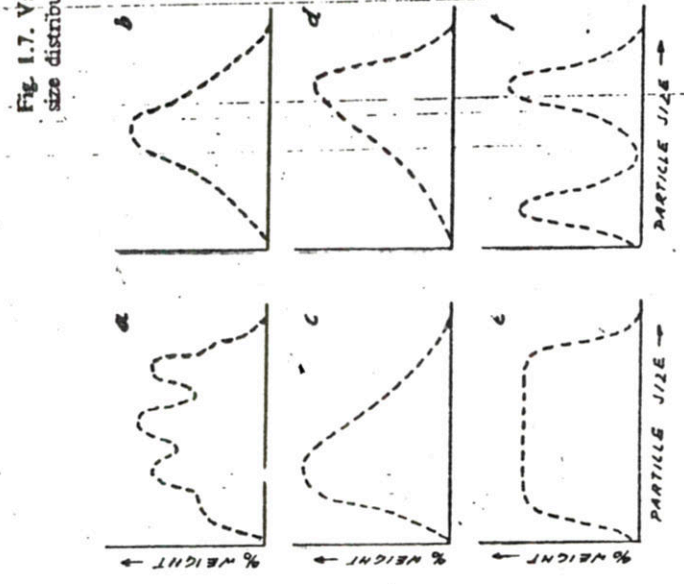


Fig. 1.7. Various types of powder particle size distribution

*Após a  
 produção!*