

PiM & PiM-Like

Sintering process



Brown powder

This is only a preview of our material summary.
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Sintered part

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The sintering phasis, allowing the metal particles to be welded together, it is during this stage that the mechanical properties are given to the final part, called "sintered part". This operation takes place at a temperature close to the melting point of the treated metal, under a controlled atmosphere and sometimes under vacuum.

The gaseous mixture composing the sintering atmosphere is specific for each metal to be sintered, it aims to reduce, among other things, the oxide present on the surface of the powders. The shrinkage accompanying the sintering is important, controlled and isotropic.

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