

Forging die design and Forging defects

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1.Quiz-Key:

1. Mention some of the advantages of powder metal processing.

Flexibility of material composition, net-shape – processing, material saving, intricate parts formed, forming hard metals such as tools.

2. What is the reason for flash cracking?

If thickness of flash is very small flash cracks may occur.

3. What is fibrous structure? How does it affect the characteristics of forged part?

Alignment of second phase and inclusion along the direction of highest deformation. It gives rise to directional properties of the forged part.