

Powder forming

R. Chandramouli
Associate Dean-Research
SASTRA University, Thanjavur-613 401

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1. What is the effect of planar and normal anisotropy on formability of sheet metals?

Normal anisotropy – enhances deep drawability

Planar anisotropy – introduces a defect called earing. – waviness of the edge of the cup.

2. What is forming limit diagram?

Otherwise called Keeler-Goodwin diagram, it is the major engineering versus minor engineering strain for a sheet metal, which has been inscribed with circles on surface and deformed. It gives the limit of strain above which fracture happens during the sheet drawing.

3. Name some formability tests used for sheet metals.

The cupping test, LDH test, Fukui test etc.