

Further analysis and extrusion defects:

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1. Quiz-Key

1. What type of extrusion defects form if the extrusion speed is very high?

Surface crack or fir tree crack.

2. What is meant by optimum die angle of extrusion die? What is the range of die angle normally used?

The die angle corresponding to minimum total extrusion force is called optimum die angle. Normal range of die angle is 45 to 60°.

3. Centre burst in extruded products is caused by what type of stress?

Tensile stress at the centre of the extrude.

4. What is hot shortness?

A ductile metal becomes brittle above a certain temperature, because of the presence of some oxide inclusions, which start melting above this temperature.