Opptum Engineering Solution Pvt. Ltd.



Avoid Weld-line Visibility by Design Optimization

Objective:

Avoid Weld-line Visibility.

- Weld lines are observed on A surface and these weld line are visible due to two flow fronts meet at low temperature.
- To avoid this Part beam & Gate dimensions are increased.

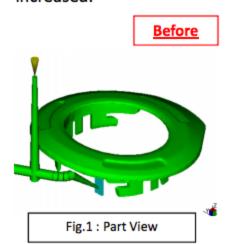
Part Description:

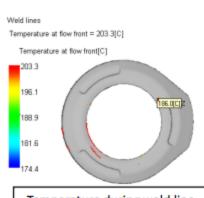
Part Dimension: 112*104*32 Part volume: 45.1708 cm^3

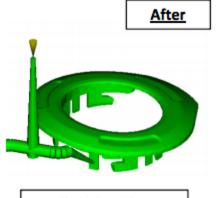
Material: POM

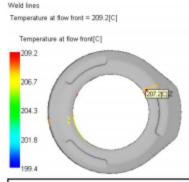
Analysis Type: Fill +Pack +Warp











Temperature during weld line

Fig.2 : Part View

Temperature during weld line

Before

Part Beam: Width:6.0 mm

Thickness:1.5mm

Gate opening: Dia.: 1.5mm

After

Part Beam: Width:6.0 mm

Thickness: 1.8mm

Gate opening: Dia.: 2.0mm

