

**Technical Specifications for Tools for Solar Oven**

Specification of Mould for Solar Cooker:

A) Oven outer shell:

Mould flow has been done after placing the order:

- **Type of Mould:** Plastic injection Moulding
- **Article material:** PC (Polly-carbonate)
- **Article Finish:** Frosted & clear (optical clear)
- **Mould material:** P20 (For Core & Cavity)
- **Mould finish:** Core and Cavity: Mirror & frosted
- **Base material for Mould:** C45
- **Number of cavity:** 1 No.
- **Machine type:** 700/750 T
- **Mould life:** For more than 10 lakhs pcs
- **Number of Runner:** 3 Points
- **Injection type:** Hot runner
- **Testing & Trial:** Consider 2 extra revisions
- **Delivery of final samples:** Qty: 50 pcs.
- **Delivery of the Mould:** At IIT Bombay
B) Oven Inner shell:
Mould flow has been done after placing the order:

- Type of Mould: Plastic injection Moulding
- Article material: PC (Polly-carbonate)
- Article Finish: Frosted & clear (optical clear)
- Mould material: P20 (For Core & Cavity)
- Mould finish: Core and Cavity: Mirror & frosted
- Base material for Mould: C45
- Number of cavity: 1 No.
- Machine type: 700/750 T
- Mould life: For more than 10 lakhs pcs
- Number of Runner: 3 Points
- Injection type: Hot runner
- Testing & Trial: Consider 2 extra revisions
- Delivery of final samples: Qty: 50 pcs.
- Delivery of the Mould: At IIT Bombay

C) Oven Door:
Mould flow has been done after placing the order:

- Type of Mould: Plastic injection Moulding
- Article material: PC (Polly-carbonate)
- Article Finish: Frosted & clear (optical clear)
- Mould material: P20 (For Core & Cavity)
• Mould finish: Core and Cavity: Mirror & frosted
• Base material for Mould: C45
• Number of cavity: 1 No.
• Machine type: 400 T
• Mould life: For more than 10 lakhs pcs
• Number of Runner: 2 Points
• Injection type: Hot runner
• Testing & Trial: Consider 2 extra revisions
• Delivery of final samples: Qty: 50 pcs.
• Delivery of the Mould: At IIT Bombay

Trail should be done with the specified material and using the mould temperature controller.