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Estimating energy consumption of injection moulding for environmental-driven mould design

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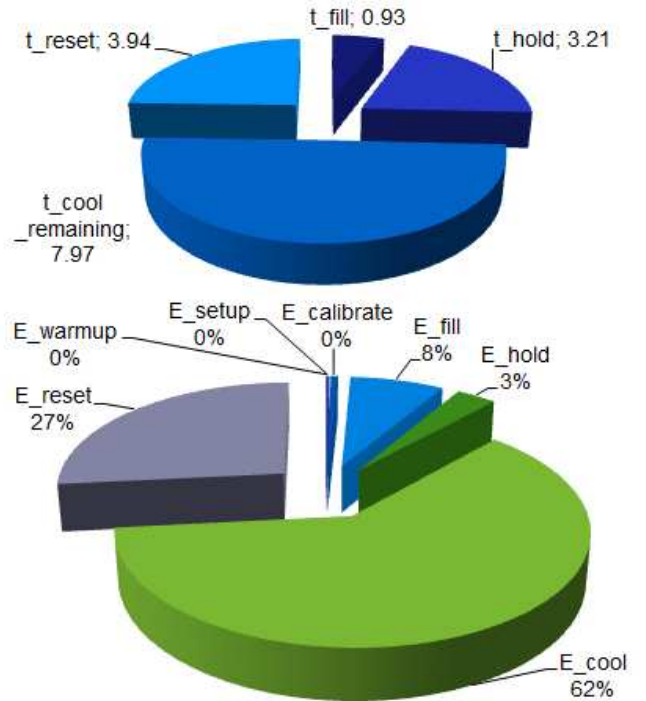
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PXX3 - 24 cavities mould

- Same geometry
- Polypropylene Material
- 150 ton. Machine
- Almost the same process settings

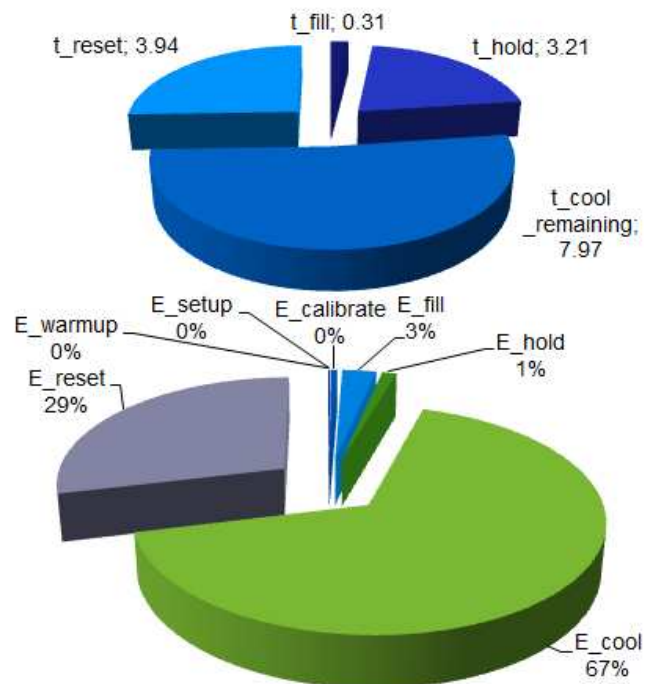


Measured: 1.98 kWh/kg

Calculated: 1.94 kWh/kg

PXX7 - 8 cavities mould

- Same geometry
- Polypropylene Material
- 80 ton. Machine
- Almost the same process settings



Measured: 5.07 kWh/kg

Calculated: 4.98 kWh/kg

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