Melt viscosity automatic control program

**meltcon**

**Concept**
- Resin manufacturing lot changeover
- Use of ground material
- Change in resin dry condition
- Molding machine changeover
- Replacement of plasticizing parts

Factors to cause variations in product quality

The resin melting condition varies depending on environmental fluctuation.

**Features**
- The cylinder temperature is automatically adjusted based on the preset reference resin viscosity.

**Advantage**

<table>
<thead>
<tr>
<th>Ordinary molding</th>
<th>With “meltcon” setting</th>
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</thead>
<tbody>
<tr>
<td>Acceptable molding</td>
<td>Acceptable molding</td>
</tr>
<tr>
<td>After resin lot changeover</td>
<td>After resin lot changeover</td>
</tr>
<tr>
<td>Difference in flow length</td>
<td>Difference in flow length</td>
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<tr>
<td>Enlarged view</td>
<td>Enlarged view</td>
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<tr>
<td>Acceptable moldings cannot be produced without readjusting molding conditions.</td>
<td>Acceptable moldings can be produced without changing molding conditions.</td>
</tr>
</tbody>
</table>

Products: Spiral flow Plate
Material: PC

Comparing method:
The bar flow length has been compared between before and after changeover of the resin manufacturing lot with the molding conditions unchanged.