New Polypropylene Random Copolymers
240-HP25 | 240-HP40 | 240-HP80

Product Technical Information
New random polypropylene copolymers for injection-moulding

The 240-HP series is a novel high clarity and high flow random polypropylene copolymer range intended for the injection-moulding of transparent containers with very high clarity:

- Thin wall food containers for fridge storage
- Houseware
- Media packaging
- Transparent pails

Moulders will not only benefit from the better stiffness/impact/fluidity performance of the resins allowing for down-gauging, they will also be able to reduce the moulding cycle time, hence increase productivity, benefitting from higher crystallisation temperature of the new resin.

Benefits and Features

- Improved transparency/impact at room temperature/stiffness balance
- Excellent processability
- Antistatic
- Energy savings potential thanks to lower processing melt temperatures
- Increased productivity by cycle time reduction thanks to lower processing temperature and a higher crystallisation temperature enabling to reduce the cooling time

Potential savings versus standard clarified copolymers

The new grades allow for lower processing temperature without loss in mechanical properties or clarity. This brings energy savings and productivity gain by shorter cycle time.

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# New Polypropylene Random Copolymers

### 240-HP25 | 240-HP40 | 240-HP80

## Product characteristics

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<tbody>
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<td>Melt Flow Rate</td>
<td>2.16kg @230°C</td>
<td>ISO 1133</td>
<td>g/10min</td>
<td>25</td>
<td>25</td>
<td>40</td>
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<td>Flexural Modulus</td>
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<td>MPa</td>
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<td>MPa</td>
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<tr>
<td>Izod Notched Impact Strength</td>
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<td>kJ/m²</td>
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<td>T° Crist</td>
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<td>°C</td>
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**Notes:**
- **MFR 25**
  - Flexural Modulus @23°C
  - T° Vicat
  - T° Crist
  - Haze 1mm

**MFR 40 and 80**
- Flexural Modulus @23°C
- T° Vicat
- T° Crist
- Notched Izod @0°C
- Notched Izod @23°C

**Flow Grades:**
- MEDIUM FLOW
  - MFR 25
- HIGH & VERY HIGH FLOW
  - MFR 40
  - MFR 80
  - 222-CC50
  - 240-HP80

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