Plant: KERMAPOL

Grade/Product Name: BL3/HF4760

Catalyst: THT

Technical Data

HF4760 is a high-density Polyethylene with 1-Butene as a co-monomer.

Application:

Containers with capacities ranging from a few ml up to 10 liters, for Production of sheets for thermoforming

General

Additive

- Antioxidant, Lubricant

Features

- High stiffness
- Good flow ability
- Good impact strength
- Good stress cracking resistance
- High Density

Forms

- Pellet

Processing Method

- Small Blow Molding

Physical

<table>
<thead>
<tr>
<th>Physical Property</th>
<th>Nominal Value Unit</th>
<th>Test Method</th>
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</thead>
<tbody>
<tr>
<td>Density</td>
<td>0.954±0.002 g/cm³</td>
<td>ISO1183</td>
</tr>
<tr>
<td>Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)</td>
<td>1.2±0.3 g/10 min</td>
<td>ISO1133</td>
</tr>
<tr>
<td>Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)</td>
<td>22±4 g/10 min</td>
<td>ISO1133</td>
</tr>
<tr>
<td>Flow Rate Ratio (21.6 kg/5 kg)</td>
<td>6±2</td>
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<tr>
<td>Impact</td>
<td></td>
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<tr>
<td>Notched Impact (23°C)²</td>
<td>1.10±0.15 kJ/m²</td>
<td>ISO179/1 eA</td>
</tr>
<tr>
<td>Swell Ratio</td>
<td>110±5%</td>
<td></td>
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</tbody>
</table>

1) Test specimen from compression moulded sheet at 23 °C, samples not annealed
2) FRR values are statistical and calculated by dividing MFR values
3) Test specimen from compressed moulded sheet 23°C
4) The data quoted are average values