Datasheet

Polypropylene film solid
monaxial stretched film of PP-copolymers PP-K

Material:
- Polypropylene

Colour:
- natural (transparent)

Types:
Each type is determined by thickness and width as follows:
“PP-K / (thickness in μm) x (width in mm)“, e.g. PP-K / 50 x 20

Description of types:
PP-K / 35 stretched film, natural, 35 μm
PP-K / 50 stretched film, natural, 50 μm
PP-K / 75 stretched film, natural, 75 μm

Width: 10 — 1.500 mm, in increments of 5 mm
Standard: 1.200 mm

Properties:

<table>
<thead>
<tr>
<th>Values</th>
<th>Thickness</th>
<th>35</th>
<th>50</th>
<th>75</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>(calculated)</td>
<td>g/cm²</td>
<td>0,91</td>
<td>0,91</td>
</tr>
<tr>
<td>Weight per unit area</td>
<td>EN 22 286</td>
<td>g/m²</td>
<td>32</td>
<td>46</td>
</tr>
<tr>
<td>Tensile strenght, long.</td>
<td>ISO 527</td>
<td>N/mm²</td>
<td>300</td>
<td>280</td>
</tr>
<tr>
<td>Elongation at break, long., max</td>
<td>ISO 527</td>
<td>%</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>Hot air shrinkage, long.</td>
<td>BS 4611 A2</td>
<td>%</td>
<td>≤ 6</td>
<td>≤ 6</td>
</tr>
<tr>
<td>Melting range</td>
<td>DSC</td>
<td>°C</td>
<td>160-170</td>
<td>160-170</td>
</tr>
<tr>
<td>Max. processing temperature</td>
<td></td>
<td>°C</td>
<td>ca. 225</td>
<td>ca. 225</td>
</tr>
<tr>
<td>Relative permittivity</td>
<td>DIN 53 483/2</td>
<td></td>
<td>2,4</td>
<td>2,4</td>
</tr>
<tr>
<td>Dielectric strength</td>
<td>DIN 53 481</td>
<td>kV/mm</td>
<td>≥ 250</td>
<td>≥ 250</td>
</tr>
<tr>
<td>Thermal resistance</td>
<td>DIN 52 612</td>
<td>W/mK</td>
<td>0,19</td>
<td>0,19</td>
</tr>
</tbody>
</table>
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Roll Dimension:
Mother rolls

Core: 76, 153 mm cardboard
Width: 300, 500 mm
Running length: max. 600 m

Roll Dimension:
Pads

<table>
<thead>
<tr>
<th>Cores Inner—ø mm</th>
<th>Thickness mm</th>
<th>Material</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>76,6</td>
<td>11</td>
<td>cardboard</td>
<td>76 (3&quot;)</td>
</tr>
<tr>
<td>153</td>
<td>14</td>
<td>cardboard</td>
<td>150</td>
</tr>
</tbody>
</table>

Roller outer-ø, mm: Outer diameter between 180 and 500 mm
Tolerances: -20 mm / + 0 mm
Front side of rolls: tolerance of layers max. ± 2 mm
Planarity: tolerance of diameter max. ± 2 mm
End marking: according to customers desire
Joints: on both sides, brown PET adhesive tape, layer on layer
thickness: 50 μm, width: 50 mm
max. number of joints: 2 per roll

Roll Dimension:
Traverse-wound spools

Cores: 76 mm cardboard
Core length: 300 mm
Core thickness: 7 mm, 10 mm
Winding length: 280 mm
Roll-outer-ø: max. 380 mm
Film width: 5-30 mm

Subject to alterations!
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