Datasheet

Polypropylene film foamed
foamed monoaxial stretched film of closed-cell structure PP-S

Material:
- Polypropylene

Colour:
- natural (transparent)

Types:
Each type is determined by thickness and width as follows:
“PP-S / (thickness in μm) x (width in mm)”, e.g. PP-S / 130 x 20

Description of types:

<table>
<thead>
<tr>
<th>PP-S</th>
<th>Thickness</th>
<th>Width</th>
<th>Type</th>
<th>Natural</th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
<td>80 μm</td>
<td>80</td>
<td>80 μm</td>
<td>natural</td>
</tr>
<tr>
<td>100</td>
<td>100 μm</td>
<td>100</td>
<td>100 μm</td>
<td>natural</td>
</tr>
<tr>
<td>130</td>
<td>130 μm</td>
<td>130</td>
<td>130 μm</td>
<td>natural</td>
</tr>
<tr>
<td>150</td>
<td>150 μm</td>
<td>150</td>
<td>150 μm</td>
<td>natural</td>
</tr>
<tr>
<td>170</td>
<td>170 μm</td>
<td>170</td>
<td>170 μm</td>
<td>natural</td>
</tr>
<tr>
<td>200</td>
<td>200 μm</td>
<td>200</td>
<td>200 μm</td>
<td>natural</td>
</tr>
<tr>
<td>300</td>
<td>300 μm</td>
<td>300</td>
<td>300 μm</td>
<td>natural</td>
</tr>
</tbody>
</table>

Width: 4-1,400 mm, in increments of 5 mm
Standard: 1,200 mm

Properties:

<table>
<thead>
<tr>
<th>Values</th>
<th>Thickness</th>
<th>80</th>
<th>100</th>
<th>130</th>
<th>150</th>
<th>170</th>
<th>200</th>
<th>300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>(calculated) g/cm³</td>
<td>0,52</td>
<td>0,52</td>
<td>0,52</td>
<td>0,51</td>
<td>0,51</td>
<td>0,51</td>
<td>0,51</td>
</tr>
<tr>
<td>Weight per unit area</td>
<td>EN 22 286 g/m²</td>
<td>42</td>
<td>52</td>
<td>68</td>
<td>77</td>
<td>85</td>
<td>100</td>
<td>165</td>
</tr>
<tr>
<td>Tensile strength, long.</td>
<td>ISO 527 N/mm²</td>
<td>100</td>
<td>100</td>
<td>110</td>
<td>110</td>
<td>120</td>
<td>100</td>
<td>70</td>
</tr>
<tr>
<td>Hot air shrinkage, long. (100°C/10 min)</td>
<td>BS 4611 A2 %</td>
<td>≤ 6</td>
<td>≤ 6</td>
<td>≤ 6</td>
<td>≤ 6</td>
<td>≤ 6</td>
<td>≤ 6</td>
<td>≤ 6</td>
</tr>
<tr>
<td>Max. processing temperature</td>
<td>°C</td>
<td>ca. 225</td>
<td>ca. 225</td>
<td>ca. 225</td>
<td>ca. 225</td>
<td>ca. 225</td>
<td>ca. 225</td>
<td>ca. 225</td>
</tr>
<tr>
<td>Relative permittivity</td>
<td>DIN 53</td>
<td>1,9</td>
<td>1,9</td>
<td>1,9</td>
<td>1,9</td>
<td>1,9</td>
<td>1,9</td>
<td>1,9</td>
</tr>
<tr>
<td>Dielectric strength</td>
<td>DIN 53 481 kV/mm</td>
<td>≥ 10</td>
<td>≥ 10</td>
<td>≥ 15</td>
<td>≥ 15</td>
<td>≥ 20</td>
<td>≥ 20</td>
<td>≥ 25</td>
</tr>
<tr>
<td>Thermal resistance</td>
<td>DIN 52 612 W/mK</td>
<td>0,08</td>
<td>0,08</td>
<td>0,08</td>
<td>0,08</td>
<td>0,08</td>
<td>0,08</td>
<td>0,08</td>
</tr>
</tbody>
</table>
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Polypropylene film foamed

Roll Dimension:
Mother rolls

Core: 153 mm cardboard
Width: 500 - 1,400 mm
Running length: max. 6,000 m, depending on outer diameter

Roll Dimension:
Pads

Cores
Inner—ø mm  Thickness mm  Material  Type
76,6    11    cardboard    76 (3“)
153    14    cardboard    150

Roller outer-ø, mm: Outer diameter between 230 and 700 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: 50mm
max. number of joints: 2 per roll

Roll Dimension:
Traverse-wound spools

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

Subject to alterations!
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