3 LAYER STRETCH HOOD

OVERVIEW

The Davis-Standard Stretch Hood manufacturing system features a 3-layer Vertex IBC die used in conjunction with the Triple Lip Air Ring to produce the hoods at high rates and excellent gauge control. The Triple Lip Air Ring features automatic profile control and an elevator system used in tune with a high volume IBC stack on the die. The oscillating haul-off uses gussets with auto adjustment and the SLC winder is used for producing large diameter rolls. The line can be configured to run other FFS films and products as well for versatility.

KEY FEATURES

- DSB screws for superior processing of resin mix providing excellent melt homogeneity
- MAC 30:1 smooth bore extruders for dependability
- Vertex die provides high IBC air volume exchange for increased outputs
- Triple Lip Air Ring provides high cooling rate
- Easily changeable die lips provide exact BuR control for different size markets
- AutoProfile control is critical to ensure highest tolerances are achieved
- Oscillating nip includes shallow gusset assembly and extra long collapsing for improved bubble collapsing and reduction of wrinkles
- SLC surface winder
# 3 Layer Stretch Hood

## Technical Properties of Low Stretch Hood

<table>
<thead>
<tr>
<th>% Stretch</th>
<th>&lt;35%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applications</td>
<td>Bricks, tiles, cement, sand</td>
</tr>
<tr>
<td>Materials</td>
<td>Mono - EVA, LLD, mLLD</td>
</tr>
<tr>
<td>Properties</td>
<td>Puncture, environmental</td>
</tr>
</tbody>
</table>

## Technical Properties of Medium Stretch

<table>
<thead>
<tr>
<th>% Stretch</th>
<th>35% - 75%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applications</td>
<td>Resin, chemicals, beverages</td>
</tr>
<tr>
<td>Materials</td>
<td>Coex - EVA, LLD, mLLD, POP</td>
</tr>
<tr>
<td>Properties</td>
<td>Holding force, clarity</td>
</tr>
</tbody>
</table>

## Technical Properties of High Stretch

<table>
<thead>
<tr>
<th>% Stretch</th>
<th>&gt;75%</th>
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</thead>
<tbody>
<tr>
<td>Applications</td>
<td>Appliances, white goods</td>
</tr>
<tr>
<td>Materials</td>
<td>Coex - EVA, mLLD, POP</td>
</tr>
<tr>
<td>Properties</td>
<td>Protection, clarity</td>
</tr>
</tbody>
</table>

## Technical Data

- **Finished Product**: Gusseted Tubing
- **Machine Configuration**: 1880 mm 3 Layer / 74” 3 Layer
- **Nominal Layer Structure**: 20 / 60 / 20
- **Die Diameter**: 250 - 325 mm / 10 - 13”
- **BuR**: 2.5 - 4:1
- **Max Web Width**: 1800 mm / 70”
- **Typical Output (Gross)**: 375 - 500 kg/hr / 800 - 1100 lbs/hr
- **Thickness Range**: 60 - 150µ / 2.3 - 6.0 mil
- **Materials to be Processed**: LD, LLD, mLLD, EVA & Blends

## Line Configuration
- **Material Handling**: Blending system including vacuum loading
- **Extrusion**: MAC 30:1 smooth bore extruders
  - DSB barrier screws
- **Die & Air Ring**: Vertex multi layer stationary IBC die with
  - Triple Lip Air Ring
  - Auto profile package with oscillating gauge
- **Tower Equipment**: Bubble sizing cage, Carbon fiber roller collapsing, oscillating haul off including shallow gusset assembly
- **Winding**: PAC 50 winder with taper tension and pressure control
- **Control System**: PAC 50 winder with taper tension and pressure control
- **Optional Services**: Complete installation and commissioning
  - Line upgrades and components available