



DAVIS-STANDARD®

Where your ideas take shape.

BLOWN FILM

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

% Stretch	<35%
Applications	Bricks, tiles, cement, sand
Materials	Mono - EVA, LLD, mLLD
Properties	Puncture, environmental

TECHNICAL PROPERTIES OF MEDIUM STRETCH

% Stretch	35% - 75%
Applications	Resin, chemicals, beverages
Materials	Coex - EVA, LLD, mLLD, POP
Properties	Holding force, clarity

TECHNICAL PROPERTIES OF HIGH STRETCH

% Stretch	>75%
Applications	Appliances, white goods
Materials	Coex - EVA, mLLD, POP
Properties	Protection, clarity

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 - 150 μ / 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

