

Lamicoat Prime

extrusion coating & lamination



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Designed for uniform coating of LDPE / PP on substrate like Woven fabric of PP/HDPE (Circular and Flat Fabric, FIBC, Tarpaulin, Leno), Carpet, Jute, Cotton Cloth and excellent sandwiching quality of BoPP & Paper with Woven Fabric.

MACHINES ARE EQUIPPED WITH:

- AC motors for Extruder, Niproll and Winder with sensor less vector type AC Frequency.
- Variable drives having synchronised control.
- Ceramic heaters for die and barrel with insulation pads for reduced power consumption (heat loss).
- Chill rolls with double wall, mirror finished and with enhanced scale reduction system.
- Training facility available for the operator.

SIPL since 1970, with its long exposure to industry and extrusion coating & laminating expertise can today deliver the most versatile and cost-effective extrusion coating solutions to the most demanding flexible packaging (PP/HDPE woven fabric/bags), non-woven and paper coating and laminating applications on a variety of substrates from HDPE/ PP flat or circular woven fabric, non-woven, jute, cotton fabric, paper etc.

OPTIONAL EQUIPMENTS*

- Turret Unwinder
- Melt Pump
- Preheater for Fabric
- Corona Treater for Fabric
- Sandwiching attachment for BoPP and Paper
- Pneumatic Shafts for Unwinder and Rewinder
- Auto Poly Edge Trimming Unit
- Trim Waste Rewinder
- Component Dosing and Mixing Unit
- Hopper Loader
- Microperforation
- SMART HMI
- Edge Trim Recycling Unit
- Matt Finish Chill Rolls
- Banana / Spreader Rollers
- Hydraulic Screen Changers
- Hoist for Unwinder
- Hoist for Rewinder
- Hoist for Auxiliary Unwinders

*Will Vary Depending on the Model

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CIRCULAR BAGS				
Model	Prime C1500	Prime C750TD	Prime C1500TD	Prime BB1500
Machine Extruder Type	Single with Turnbar	Tandem	Tandem	Single with Turnbar
Fabric Coating Type	DFL - Both Side SFL - One Side	DFL - Both Side SFL - One/Both Side	DFL - Both Side SFL - One/Both Side	DFL - Both Side SFL - One Side 1200 mm
Screw Dia (mm)	90	90	90	100
Extrusion Melt Capacity (kg/hr)	Up to 140	Up to 280 (2X140)	Up to 280 (2X140)	Up to 200
Coating Thickness* (micron)	20-100	20-100	20-100	20-100
Tubular Fabric Width (mm)	300-700	300-750	450-1500	300-700
Flat Fabric Width (mm)	450-1500	300-750	450-1500	450-1500
Tubular Fabric Weight (gsm)	50-100	50-100	50-150	50-100
Flat Fabric weight (gsm)	50-100	50-100	50-150	50-100
Maximum Mechanical Speed (mpm)	Coating - 150 Lamination -120	Coating -150 Lamination - 120	Coating - 150 Lamination -120	Coating - 150

FIBC		TARPAULIN / WIDE WIDTH - 6 FEET				
Model	Prime JB2050	Prime JB2350	Prime F1900	Prime F1900TD	Prime FX1900	Prime FX1900TD
Machine Extruder Type	Single	Single	Single	Tandem	COEx	CoEx Tandem
Fabric Coating Type	DFL/SFL - One Side	DFL/SFL - One Side	DFL/SFL - One Side	DFL - Both Side SFL - One/Both Side	DFL/SFL - One Side	DFL - Both Side SFL - One/Both Side
Screw Dia (mm)	100	100	100	100	100+90	100+90
Extrusion Melt Capacity (kg/hr)	Up to 200	Up to 200	Up to 200	Up to 400 (2X200)	Up to 280 (180+100)	Up to 560 [2X(180+100)]
Coating Thickness* (micron)	20-100	20-100	20-100	20-100	20-100	20-100
Tubular Fabric Width (mm)	800-2050	950-2350	800-1900	800-1900	800-1900	800-1900
Flat Fabric Width (mm)	800-2050	950-2350	800-1900	800-1900	800-1900	800-1900
Tubular Fabric Weight (gsm)	50-250	50-250	50-200	50-200	50-200	50-200
Flat Fabric weight (gsm)	50-250	50-250	50-200	50-200	50-200	50-200
Maximum Mechanical Speed (mpm)	Coating - 80-100 50-60-with reinforcement	Coating - 80-100 50-60-with reinforcement	Coating - 80-100	Coating - 80-100	Coating - 80-100	Coating - 80-100

TARPAULIN / WIDE WIDTH - 10 FEET				
Model	Prime F3100	Prime F3100TD	Prime FX3100	Prime FX3100TD
Machine Extruder Type	Single	Tandem	COEx	COEx Tandem
Fabric Coating Type	DFL/SFL - One Side	DFL - Both Side SFL - One/Both Side	DFL/SFL - One Side	DFL - Both Side SFL - One/Both Side
Screw Dia (mm)	110	110	110+90	110+90
Extrusion Melt Capacity (kg/hr)	Up to 250	Up to 500 (2X250)	Up to 325 (225 + 100)	Up to 650 [2X(225+100)]
Coating Thickness* (micron)	20-100	20-100	20-100	20-100
Tubular Fabric Width (mm)	2000-3100	2000-3100	2000-3100	2000-3100
Flat Fabric Width (mm)	2000-3100	2000-3100	2000-3100	2000-3100
Tubular Fabric Weight (gsm)	50-200	50-200	50-200	50-200
Flat Fabric weight (gsm)	50-200	50-200	50-200	50-200
Maximum Mechanical Speed (mpm)	Coating - 60-80	Coating - 60-80	Coating - 60-80	Coating - 60-80

TARPAULIN / WIDE WIDTH - 12 FEET					PONDLINER
Model	Prime F3700	Prime F3700TD	Prime FX3700	Prime FX3700TD	Prime F4150
Machine Extruder Type	Single	Tandem	COEx	COEx Tandem	Single
Fabric Coating Type	DFL/SFL - One Side	DFL - Both Side SFL - One/Both Side	DFL/SFL - One Side	DFL - Both Side SFL - One/Both Side	DFL - Both Side SFL - One/Both Side
Screw Dia (mm)	120	120	120+100	120+100	120
Extrusion Melt Capacity (kg/hr)	Up to 400	Up to 800 (2X400)	Up to 550 (350+200)	Up to 1100 [2X(350+200)]	Up to 400
Coating Thickness* (micron)	20-100	20-100	20-100	20-100	20-100
Tubular Fabric Width (mm)	2500-3700	2500-3700	2500-3700	2500-3700	2850-4150
Flat Fabric Width (mm)	2500-3700	2500-3700	2500-3700	2500-3700	2850-4150
Tubular Fabric Weight (gsm)	50-200	50-200	50-200	50-200	>50
Flat Fabric weight (gsm)	50-200	50-200	50-200	50-200	>50
Maximum Mechanical Speed (mpm)	Coating - 60-80	Coating - 60-80	Coating - 60-80	Coating - 60-80	Coating - 60-80

* Lower coating upto 10 micron is possible depending upon various process conditions and parameters.

** Other options available on request.

Specifications are subject to change without prior notice, due to continuous developments.

These details are indicative and not binding.

Extreme values indicated are not achievable simultaneously.

The pictures may show optional equipments that are not a part of the standard supply.

For details, refer to the quotation.

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