


FAP Srl

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TECHNICAL DATA – EXTRUSION LINE EXT 1256

01 GENERAL INFORMATION

FAP's extrusion line EXT 1256 produces **polyethylene (PE)** and **polypropylene (PP) expanded film** using "Direct Gasing" extrusion technology that can be used in all production fields where it is necessary to insulate, package, protect (for example in building, electric and electronic, mechanical, automotive, food industries, packaging).

Raw materials	PE/PP granule
Expansion agent	isobutane /normal butane gas
Foam's characteristic:	non cross-linked, 100% recyclable, flexible, innovative, technical, resistant, high-performance, does not emit toxins, does not cause allergic reactions, practical, universal.
Foam's density:	PE 18 : 150 kg/m ³ PP 35 : 200 kg/m ³
Foam's widths:	PE 1000 : 2500 mm PP 1000 : 2500 mm
1 Kg of PE/PP composition:	70 ÷ 95 % raw material of PE / PP, 5 ÷ 30% additives (stabilizers, nucleating, talc, colorants, gas, etc.)
Gas consumption:	50 : 200 Kg/h
Power consumption:	700 Kw/h
Water consumption:	500 liters/month
Max. production capacity	PE 400 : 1200 kg/h PP 400 : 1200 kg/h
Approximate production capacity	PE 212.000 m ³ /year PP 108.650 m ³ /year

02 GOODS & SERVICES

- FAP offers full extrusion lines, machines for the treatment of granulated blends, extrusion gas controlling unit, gravimetric dosers units, equipment for the treatment of the film and winding units, additional equipment for foam conversion.
- Know-how: FAP provides the specific advanced knowledge of all production processes.
- FAP guarantees post-sale technical support for the successful management and maintenance, rapid supply of spare parts, immediate assistance for any kind of support, concerning production, development of the product scale, etc.
- Warranty for FAP machinery excluding wearing parts is 12 month from the delivery date (to be determined in contract).

MACHINERY STRUCTURE

01 DOSERS

Automatic feeder;
High precision gravimetric doser unit with 5 stations;
Dosers' support structure.

02 EXTRUDER's BODY

Complete extruder EXT 1256 with control tools for temperature and pressure.

Extruder	Twin Screw Extruder 1256
Motor Power	Kw 430
Heating Power	Kw 550
Tot. Installed Power	Kw 1000 (only Extruder)

03 EXTRUSION HEAD

Extrusion Head for production of normal thickness foam (1:5 mm)

Optional:

- **Extrusion Head for production of Big Thickness foam (5:25 mm)**

- **Pipe Extrusion Head with associated and additional equipment***;

(* Water cooling units, Extraction and cutting of tubes; Manual winder for pipes; Extruder with the head for the lamination of the film to the outside of the tubes coverage.)

04 CALIBRATING UNITS FOR WIDTHS

05 GROUP FOR SUPPORT, DISTENSION AND COOLING OF FOAM

06 AUTOMATIC WINDER

Two axis winder with automatic cutting and core glue system.

Type AVV 27.2 LW (for example)

Width film 2550 mm

Max. Weight 60 Kg

Speed 160 m/minute'

07 HIGH PRESSURE GAS

08 WATER CHILLER (can be purchased by client)

09 MACHINERY TO COMPLETE PRODUCTION

Cutting On-Line group with blades and aspirators;
Laminator ON-LINE;
Laminator OFF-LINE;
Unwinder for laminator;
Laminator for multilayer foam production;
Cutting and welding machines for sheets and bags;
Cutting machines for plates and angular protection formats;
Punch machines and tubular welding.

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