

COLLAPSIBLE POLYTHENE TUBES



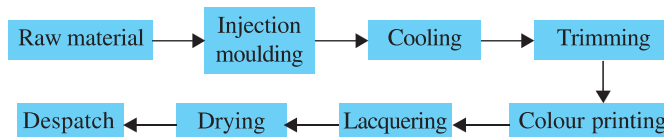
Production capacity/annum

7.2 Million Tubes.

Production process

HDPE granules are fed to the hopper. The plasticised stock is transferred to nozzle head. The amount of plastic required for tube is then injected through a ring nozzle against the injection mould holding tube head and thread mould. The injection mould with the formed tube head then moves upward and so draws a Parison with uniform wall thickness of plastic melt fed from ring nozzle. This Parison is then blown into water-cooled mould, the inner surface of which corresponds to the desired finished shape of the tube. A gripper device takes the cooled tubes out of the mould and they are fed by a tripper to a cutting unit where their bottom portion is trimmed to size. These tubes then go to rotating mandrels for 3-colour printing, they are then lacquered and dried by hot air.

Process flow chart



Machinery & equipment required

- Automatic blow moulding machine
- With pretreatment 3-colour printing unit, lacquering, drying units
- Semi-automatic heat-sealing machine
- Hydraulic injection moulding machine
- Accessories and testing instruments etc

Raw material/consumables required

- High-density polythene
- Low-density polythene
- Polypropylene
- Lacquers
- Printing inks

Utilities required

Power required (load)	:	25 KW
Water required (per shift basis)	:	500 Litres

Manpower required

Supervisor	:	1 No.
Skilled	:	4 Nos.
Unskilled	:	6 Nos.

Area required

Total Area	:	200 Sq. Mtr.
Covered Area	:	150 Sq. Mtr.

Investment required

Machinery & Equipment	:	} ₹ 78.5 Lakhs
Working Capital for 3 Months (Raw material, utilities & salary)	:	

For further details on training programme in entrepreneurship being conducted at NSIC Training cum Incubation Centre, you may contact NSIC-TSC, Okhla Industrial Estate, New Delhi 110020, Ph.: 011-26826801