

MICROCELLULAR SHEET



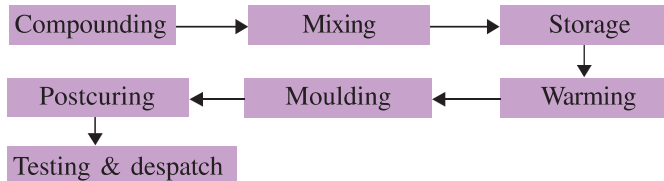
Production capacity/annum

75000 sheets of 4 Kg weight

Production process

All the rubber chemicals are compounded along with rubber (both natural and synthetic masticated previously) and measured quantities of the compound is moulded in suitable moulds in hydraulic press which is generally of Multi-day-light type. After first curing, the sheets may be cured again second time (if required) in vulcaniser under steam-pressure. The sheets are taken out and kept under load to avoid deforming while cooling.

Process flow chart



Machinery & equipment required

- | | |
|---|-------|
| • Rubber mixing mill 400 × 1050 mm | 2 Nos |
| • Light hydraulic press capacity 450 tons | 1 No |
| • Bale cutter | 1 No |
| • Laboratory hydraulic press | 1 No |
| • Steam Boiler Oil Fired Cap 300 Kg Hr
with accessories & pipe fitting | 1 No |
| • Steam Boiler Oil Fired Cap 200 Kg Hr
with accessories & pipe fitting | 1 No |
| • Post cure Chamber | 1 No |
| • Water Storage tank 10 K.L. | 1 No |
| • Spring Loaded trollies | 2 Nos |

- Weighing bins 20 Nos
- Weighing scale 0-120 Kg Platform type 1 No
- Weighing scale double and single pan type 1 Nos
- Working tables 6 Nos
- 1 No

Raw material/consumables required

- Rubber and other synthetic materials

Utilities required

Power required(load)	:	80 KW
Water required (per shift basis)	:	5 K.L.

Man power required

Supervisor	:	2 Nos.
Skilled	:	9 Nos.
Unskilled	:	13 Nos.

Area required

Total Area	:	450 Sq. Mtr.
Covered Area	:	300 Sq. Mtr.

Investment required

Machinery & Equipment	:	} ₹ 54.5 Lakhs
Working Capital for 3 Months (Raw material, utilities & salary)	:	