

MALIK'S

Foaming Extrusion systems

MALIK'S offer Foaming Extrusion systems for producing wide range of foam products ranging from bottle inner liners to very low density products like used in packaging, expansion joints and disposable plates & containers, etc...



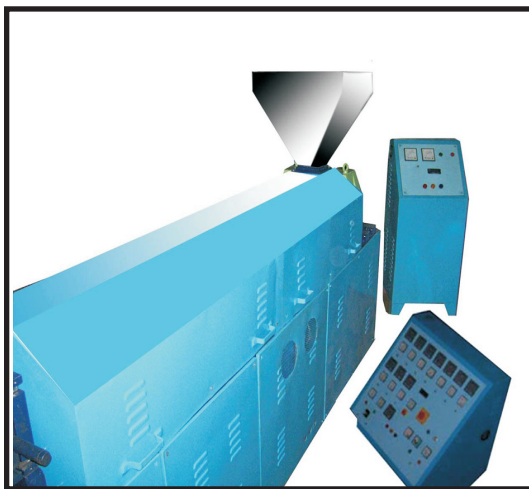


Two types of systems are offered: 1) For high density sheet from LDPE with density e.g 0.3-0.4g/cc for bottle inner liners 2) Low density EPE sheet, tube, rod & profile used for packaging, insulation, etc. Product density can be as low as 0.025g/cc.

Figures below show few Extruders manufactured by us for High density and Low density EPE foams:



65mm EPE Sheet line



65mm Extruder for LDPE foam sheet used in bottle inner liners



Pump panel for blowing agent injection



EPE Foam tube, rod & Netting Extruder 65mm

In the foam extrusion process, special type of Extruder is used wherein the Polyethylene plastic is mixed and melted along with certain other additives and suitable physical blowing agent, e.g carbon dioxide, Butane, propane, pentane are injected at high pressure through metering pump under controlled conditions and extruded out of die to produce the desired shape and cell structure. The foam cells are formed in the product due to expansion created by the escaping gases from the gas laden melt and the product is calibrated, cooled and collected by suitable downstream equipment placed inline. Due to expansion and air pockets inside the structure of product, density and weight is considerably reduced.

The density of product depends on blowing agent used.

Details of Foaming Extruders manufactured by MALIK'S- At a Glance:

Models	Screw Dia.	Throughput	Product
MESS(BF)-50	50mm	25 Kgs/Hr	EPE tube, Rod, & Profile 4-65mm section size. Foam netting.
MESS(BF)-65	65mm	40 Kgs/Hr	EPE tube, Rod & profile 4-75mm section, EPE sheet 1-5mm thick x 1.5m wide rolls. Foam netting.
MESS(BF)-75	75mm	100 Kgs/Hr	10-75mm sections,
MESS(BF)-100	110mm	200 Kgs/Hr	EPE sheet 1-5mm thk x 1.5 m wide rolls. Foam netting.

For producing thick foams in increased thickness greater than 5mm, multiple layers of single foam sheet could be joined together or laminated to get thick foam.

METS(BF)-65	65mm	200 Kgs/Hr
METS(BF)-75	75mm	300 Kgs/Hr

MESS(BF) are single screw models.

METS(BF) are twin screw models.

For full details contact manufacturer

Manufacturers:

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