

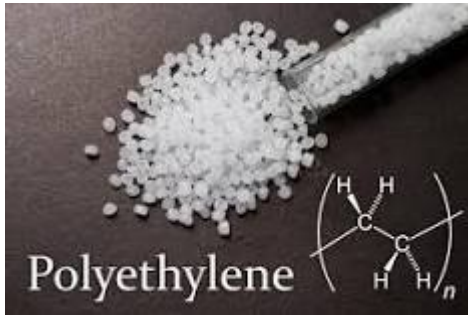
MALIK'S MEBD Series Single screw Extrusion units are ideally suitable for producing Biodegradable Layflat tubing used in making Grocery and Shopping bags.

The PE or PBAT (Poly Butylene Adipate Terephthalate) granules are premixed with Bio polymer like Cassava and Corn Starch granules in the High speed mixer and this mix makes the blended compound Bio Degradable as stipulated by authorities.

The Biodegradable Tubing unit will basically consist of the Extrusion unit comprising the single screw Extruder fitted with Heaters, heavy duty Motor and Helical Gear box with necessary driving pulleys & Belts with automated process control cabinet, Spiral Mandrel Die for even distribution of melted compound and produce a hollow tube which is further Blown by Compressed Air, Cooled around periphery via Aluminum Cast Ring connected to High velocity Air Blower, the bubble is guided upwards and cools further, being collapsed into flat (layflat tube) through 2 nos. Wooden Slated Guide Boards and Drawn by set of Pressure-cum-pulleing Rollers (one is Rubber other is hard chrome plated steel) and guided down by idlers into the dual station Winder driven through Torque motor for proper winding tension. The Extrusion unit produces layflat tubes with side gusset. Shopping or grocery bags are then produced using suitable cutting and sealing machine.



MELBD-45 Extruder for PBAT Biodegradable bags



LDPE Pellets



Corn Starch granules



Cassava Starch granules

Further Information:

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