PVC Pipes Manufacturing Project. Production of Polyvinyl Chloride (PVC) Pipes.

Description:

Polyvinyl Chloride (PVC) piping is the most widely used plastic piping material. PVC pipe is manufactured by extrusion in a variety of sizes and dimensions and generally sold in 10' and 20' lengths. PVC pipe is available in both solid wall and cellular core construction. Cellular core construction involves the simultaneous extrusion of at least three layers of material into the pipe wall: a solid outer layer, a cellular core intermediate layer, and a solid inner layer.

Polyvinyl chloride (PVC) pipe is made from a plastic and vinyl combination material. The pipes are durable, hard to damage, and long lasting. They do not rust, rot, or wear over time.

PVC is a polar polymer with strong intermolecular forces; therefore it is rigid at room temperature. On the other hand, when a plasticizer is added upon fabrication, flexible PVC products are obtained. This versatility is a major advantage of PVC.

PVC pipes are used for a variety of purposes e.g. water supply schemes, spray irrigation, deep tube well schemes and land drainage schemes. PVC slotted and corrugated pipes are ideal systems for drainages of water from land where water logging is inevitable. It is widely used by various utility services now-a-days too. The usage of PVC pipes also depends upon the size of these pipes too. It is manufactured in different sizes having innumerable usage value.

The Chief Advantage of PVC are:

•Resistance to corrosion

•Light weight

•Toughness

•Rigidity

•Economical in laying, jointing and maintenance

•Ease of fabrication

The PVC pipes are much lighter than cast iron or A. C. pipes. Because of their lightweight PVC pipes are easy to handle, transport, and install. Solvent cementing techniques for jointing PVC pipe lengths is cheaper, more efficient and far simpler. PVC pipes progressively replacing conventional pipes like G.I., Cast Iron, Asbestos Cement or Stone-ware. PVC pipes are light in weight, rates for use under pressure, easy to install, low frictional loss, low on maintenance cost, and have low frictional loss. PVC pipes do not become pitted or tuberculated and are unaffected by fungi and bacteria and are resistant to a wide range of chemicals.

Keywords: PVC Pipe Production, PVC Pipe Manufacturing Process, PVC Pipe Making Process, How to Start PVC Pipe Manufacturing Business, PVC Pipe Manufacturing Unit, PVC Pipe Plant, PVC Pipe Production Process, How is PVC Pipe Made?, PVC Pipe Manufacturing Business Plan, Plastic Pipe Production, PVC for Piping Industry, PVC Pipe Manufacturing, PVC Pipe Making Business, PVC Pipe Production Plant, PVC Pipes Manufacturing Unit in India, Production of PVC Pipes, PVC Pipe Manufacture, PVC Pipe Manufacturing Indus

Created At: 03 Nov, 2017