

Lucrative Investment Opportunities in Melamine

Description:

Melamine is an organic compound that is often combined with formaldehyde to produce melamine resin, a synthetic polymer which is fire resistant and heat tolerant. Melamine resin is a very versatile material with a highly stable structure. Uses for melamine include whiteboard, floor tiles, kitchenware, fire retardant fabrics, and commercial filters. Melamine can be easily molded while warm, but will set into a fixed form. This property makes it ideally suited to certain industrial applications.

Melamine resin is manufactured by mixing melamine with formaldehyde, and sometimes urea, under heat and pressure. The substances begin to polymerize and are forced into a mold which will create the desired shape. Under pressure, melamine releases water, which could make the plastic unstable if it is not removed. The material finishes polymerizing and creates a finished product, melamine resin.

Melamine resin is known as a thermoset plastic, because the plastic is fixed after molding. If exposed to enough heat, melamine will decompose. For this reason, melamine dishware should not be exposed to high temperatures like those in the oven and microwave. The plastic is able to withstand higher temperatures than other plastics, however. Because it is a thermoset plastic, melamine resin is difficult to recycle.

Melamine is stable when stored under normal warehouse conditions. Although not particularly hygroscopic, powdered melamine must still be protected from wetting because, like most powders, it will form a lump over an extended storage period.

Keywords: Melamine , resin , tableware , synthetic polymer, whiteboard, floor tiles , thermoset polymer , dishware , Melamine milk , laminates , adhesives, niir, project, consultancy, services, report, startup, investment, opportunities, lucrative, profitable, best, business, industry,

Created At: 18 Mar, 2016