

泡花碱干法及融解生产线

DRY PROCESS AND MELT SODIUM SILICATE PRODUCTION LINE

干法泡花碱生产主要原料为纯碱和石英砂。工艺过程为配料、烧制和溶解。

将石英砂、纯碱按配方比例称量好，通过输送装置自动投入炉内反应。物料投入炉内后在1350-1450℃高温下发生化学反应，熔融状硅酸钠经风冷或水冷后形成玻璃状固体颗粒泡花碱。成品送入仓库，或堆放或冷却至常温包装出售。反射炉设计采用蓄热式预热器，尾部1200℃出炉烟气可将空气及煤气分别预热至1100℃和900℃，排烟温度降至180℃以下。以达节能降耗。

The main raw materials of dry process sodium silicate production are soda ash and quartz sand. The process is batching, firing and dissolving.

The quartz sand and soda ash are weighed in proportion according to the formula, and are automatically put into the furnace through the conveying device. Chemical reaction occurs at a high temperature of 1350-1450℃ after the material is put into the furnace. The molten sodium silicate through air cooling or water cooling to form a glassy solid particle sodium silicate. Finished products are sent to the warehouse or stacked or cooled to room temperature for sale. The reflector adopts regenerative preheater. The 1200℃ flue gas from tail can make air and gas preheat to 1100℃ and 900℃ respectively. Exhaust temperature dropped to below 180℃ to achieve energy conservation and cost reduction.

