
年产 12.5 万吨乙丙橡胶生产工艺设计

摘 要

乙丙橡胶[ethylene propylene (diene) monomer, EP(D)M 丙橡胶东方红具有优良的物理性能和受到加工性能, 不仅结构规整可控, 而且分子的主链饱和, 还有就是耐用性很好, 因而有广阔的应用领域。现如今已深入应用于电风扇用于电线电缆、建筑防水管材、汽车部件、密封性是深材料, 润滑油改性等领域。

随着工业化的发展, 大成杰思四当今世界不发放不放上乙丙不通过沪橡胶的工业化生产方法主要有以下水电: 溶液聚合工艺、服务算得上覆盖悬浮发表的发布的地方和气相聚产生更多人合工艺。而溶液聚合是对方是个工艺则是第三方师傅生化剂。当聚合压力达到 0.4~0.8MPa, 温度是大得分深, 工艺流程: 原材料的准备、化学品的配发射深 V 复合弓制、聚合水电费水电费、催化发 DVD 反攻剂风格都挺好递四方速递脱除是发射大 V 郭德纲、单体和溶剂哥哥回收精制风格当然、凝聚、发的人工干燥、包装这些工序组成, 通过掌握生产原理、聚合方法、工艺流程的基础上, 便可以水电费郭德纲进行物料衡算、热量衡算、反应器设备的相与关计算。最终绘制出了是产生打个电话反应器大概的管道布置图、带控制点的流程的发顺丰个人图、编制了设反的计说明书。

关键词: 乙丙橡胶; 溶液聚合; 工艺流程

Abstract

Polypropylene monoethyl propylene rubber (EPR) is a high polymer and copolymer of ethylene (E) and acrylic acid (P). The EPDM has excellent physical properties and processing performance, and its structure is conventional and has not only good mechanical properties but also the main chain of molecules contains saturated bonds, excellent durability, and has a wide application range. It is widely used in areas such as cables, wires, waterproof pipes, auto parts, sealing materials, lubricating oil. With the development of industrialization, there are three major industrial production methods in the world. The free radical polymerization process is the main production process of EPR production. In this process, n-hexane was used as a solvent, and oxygen-free vanadium and alkyl were used as the auxiliary catalyst as the main catalyst. When the polymerization pressure reaches 0.4-0.8 MPa and the temperature reaches 30-500 °C. The process of the present invention is comprised of raw materials, chemical preparation, polymerization, catalytic removal, purification of singles, solvent recovery, agglomeration, drying, packaging, and main production principles. Polymerization, process, material balance, thermal equilibrium, reactor device can be calculated. Finally, the common arrangement of the reactor piping, the flowchart of the control point, and the design standard were completed.

Key Words: ethylene; rubber production ; process flowrubber

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