

Development of Non-metal Compensator by Ternary Fluoro Rubber

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Abstract: In this paper, large and extra-large non-metal compensators were developed for desulfurization equipment and boiler flue system. The compensators were made of ternary fluoro rubber and alkali-free glass fiber fabric by using specially designed double U shape pressing mold, corner mold and connector mold. The testing results showed that the sealing performance and corrosion resistance were excellent, the compensation capacity was large, and the compensator fully met the application requirements and the requirements of standard FSA-DSJ-402-09.

Keywords: non-metal compensator; ternary fluoro rubber; alkali-free glass fiber fabric



信息·资讯

新型充气式橡胶桥梁芯模

河北衡水佳兴工程橡胶有限公司研制开发了充气式橡胶桥梁芯模,已在大广高速、滨德高速、京张高速及天津海河大桥等多处重点公路工程中应用。

我国桥梁混凝土浇注施工过程中大多采用木模、钢模等作为空心梁板模具,不仅耗费大量优质木材和钢材,且费工、费时,成本高,效益低下。佳兴公司在广泛市场调研的基础上,成功研制开发了可重复利用的充气式橡胶桥梁芯模。新产品物理性能好,成本低35%,工效提高,其大跨度、严密封、高承压的制作技术处于国内领先水平。

充气式橡胶桥梁芯模是以合成橡胶为主要原材料,采用高强度合成纤维织物作为芯模模体的抗压受力骨架等工艺技术制作的抗压橡胶囊模。为满足大型桥梁混凝土浇注的技术要

求,佳兴公司优化产品设计,提高孔径尺寸、梁板角度、内孔平面及表面光洁度的精度,改进施工标准,既保证了产品的物理性能,又达到了反复利用的目的,按照施工标准规范操作的产品可重复使用80次以上,大大降低了施工成本。与传统木模、钢模浇注工艺相比,使用充气式橡胶桥梁芯模的工艺成本可降低35%,工效提高50%以上。此外,通过研发成型新工艺,开发出圆柱形、椭圆形、六角形、梯形、八角形、异形变径等多种形状,可以满足不同大型桥梁混凝土浇注施工的需要。

目前,公司已投资3000多万元建成4条桥梁芯模生产线,年产能达20万 m^2 ,形成了多形状、多规格的产品系列,可满足我国公路桥梁建设的需要。

钱伯章