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柔性石墨高温密封材料应用研究

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A PRACTICAL RESEARCH ON THE FLEXIBLE GRAPHITE PACKING MATERIAL UNDER HIGH TEMPERATURE

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摘要

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摘要 本文介绍了柔性石墨密封材料径向密封所需施加的轴向力和拧紧力矩的计算。将此材料用于某型机引气系统的蝶阀上,试验表明,这种密封材料及结构比采用氟橡胶的密封可靠性提高很多,其工作介质温度达450℃。

关键词:

Abstract: This paper introduces the computing results of the necessary applied axial force and hoop torque in case of radial packing using flexible graphite packing material. This material has been used in the butterfly valve of an airplane gas injection system. Test results show that the reliability of this material and its construction is considerably higher than that of the fluoroelastomer when the temperature of the working medium is as high as 450℃.

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