

PEI 基础创新塑料(美国) 2210-7301 热稳定 高流动 汽车部件

产品名称	PEI 基础创新塑料(美国) 2210-7301 热稳定 高流动 汽车部件
公司名称	京冀（广州）新材料有限公司
价格	60.00/千克
规格参数	基础创新塑料:热稳定 2210-7301:汽车部件 美国:高流动
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产品详情

基于超导体、半导体和磁体的子调控

低维固态体系的子调控与波函数工程的研究为开发和利用展现良好子效应的先进材料提供了新的学科生长点和发展方向，有助于在先进材料领域内促进子物理与材料和信息科学的交叉。我们将开展基于超导约瑟夫森结、半导体子点和纳米磁结构等固态子受限体系的子调控实验和理论研究，利用波函数作为信息载体来研制如固态子比特等固态子器件，在这些固态体系中实现对体系子态进行相干操纵和相干演化，并进一步实现可规模化的固态子计算方案。

Quantum control based on superconductors, semiconductors and magnets

The research on quantum control and wave function engineering of low-dimensional solid state systems provides a new discipline growth point and development direction for the development and utilization of advanced materials that exhibit good quantum effects, and helps to promote the intersection of quantum physics and materials and information science in the field of advanced materials. We will carry out quantum control experiments and theoretical research based on solid-state quantum confined systems such as superconducting Josephson junctions, semiconductor quantum dots and nano-magnetic structures. We will use wave functions as information carriers to develop solid-state quantum devices such as solid-state quantum bits. In these solid-state systems, we will achieve coherent manipulation and coherent evolution of the quantum states of the system, and further realize scalable solid-state quantum computing solutions.

