

PA66 10B40 BK061 美国杜邦10B40 BK061 耐磨 耐高温

产品名称	PA66 10B40 BK061 美国杜邦10B40 BK061 耐磨 耐高温
公司名称	东莞市越泰新材料有限公司
价格	45.00/kg
规格参数	
公司地址	广东省东莞市樟木头镇塑胶路1号三期1号楼121室（注册地址）
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产品详情

Long glass fiber reinforced PA66 Composites were prepared by melt impregnation method. The viscosity of resin melt, impregnation degree of prepreg, fiber fracture rate and mechanical properties of the composites were tested and observed by scanning electron microscope (SEM), The effects of different contents of toughening agent POE-g-MAH and poe-g-gma on the properties of the composites were studied. The results show that: with the increase of the content. The results show that both tougheners can increase the impact strength of long glass fiber reinforced PA66 Composites, and enhance the bonding degree between resin and fiber interface, especially POE-g -- GMA, which can effectively improve the mechanical properties of the composites. Key words: long fiber reinforced PA66 Composites; Toughening agent: mechanical properties; Interface combination Chinese Library Classification No.: tq327. 1 + 1 dol: 10. 13543 / J

Bhxbzr.2017.02.004 introduction long fiber reinforced polyamide 66 (PA66) composites have good mechanical properties, dimensional stability, heat resistance and chemical corrosion resistance, and are widely used in the fields of electronics, automobile, medical devices, aerospace, etc. However, xupa66 has strong notch sensitivity and weak impact resistance, which limits the further development of composites to a certain extent. A lot of research work has been done on this problem. At present, most of the methods used are adding elastomer or toughening resin grafted with polar monomer into fiber reinforced PA66 composite system as toughening agent, such as maleic anhydride grafted styrene ethylene butene styrene block copolymer (SEBS. G. MA), maleic anhydride grafted ethylene propylene diene monomer (MA. EPDM), maleic anhydride grafted ethylene propylene diene monomer (MA Maleic anhydride grafted polypropylene (PP-g-MAH), maleic anhydride grafted ethylene octene copolymer (POE-g-MAH) - 7] and so on. Du Gang et al. And Yang et al. Studied the effect of Poe -- g-mah on the properties of long fiber reinforced PA66 Composites. The results showed that when the mass fraction of Poe -- g-mah was 10%, the impact strength of the composites increased about 40%, but the tensile strength decreased about 15%. In this paper, ethylene octene copolymer grafted glycidyl methacrylate (POE-g -- GMA) with higher reactive activity was used as toughener to study the effect of POE-g -- GMA content on the rheological properties and fiber immersion of PA66. Et: 2016-11-03 first author: female, born in 1992, master's contact person e -- mail: heyd @ mail. BUCT. Edu. CN, At the same time, the effects of Poe. G-mah and poe-g-gma on the mechanical properties of the composites were studied|

Experimental part 1.1 experimental materials and equipment

PA66, epr27. Glass fiber, se45402400tex, fiber diameter