(3)PP/EPDM/B1 与 PP/EPDM/B2 复合材料的 E_c''值相近。

(4)随着 φ_g 的增大, PP/EPDM/B1 复合材料的 tan δ减小, 而 PP/EPDM/B2 复合材料的 tan δ增大。

(5)PP/EPDM/B1 和 PP/EPDM/B2 复合材料的 T_g 均呈不规则变化。

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Study on Dynamic-mechanical Properties of PP/EPDM/Glass Bead Composite

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Abstract　The influence of the surface treatment and volume fraction of glass bead on the dynamic-mechanical properties of PP/EPDM/glass bead composite was investigated by using a dynamic-mechanical analyzer(DMA). The composites with two different glass beads were tested: one was surface-treated with silane CP-03(B1) and the other was untreated(B2). The results showed that the storage modulus E_c' and the loss modulus E_c'' of both the PP/EPDM/B1 composite and the PP/EPDM/B2 composite increased nonlinearly as the volume fraction φ_g of glass bead increased; under the same conditions, E_c' of the PP/EPDM/B1 was higher than that of the PP/EPDM/B2, and their E_c'' values were similar; the loss tangent tan δ of PP/EPDM/B1 decreased and tan δ of PP/EPDM/B2 increased as φ_g increased; the glass transition temperature T_g of both composites changed irregularly.

Keywords　PP, EPDM, glass bead, composite, dynamic-mechanical property

四川轮胎市场开业

四川轮胎市场已在南充市建成, 近日投入使用。

四川轮胎市场一期工程投资近千万元, 占地 0.3 公顷, 建筑面积 7 000 多平方米, 其中仅 5 个库房就可存储各种轮胎 100 万套, 另外还拥有大量营业和配套用房。目前市场已与全国数十家轮胎生产企业建立了业务联系, 218 个销售网点覆盖整个大西南, 现进入市场经营的轮胎已有 20 多个规格、180 多个品种。据了解, 在今后 2 年内, 市场将完成二期、三期工程。届时, 市场总面积将达到 1 公顷, 一次性经营轮胎可达 500 万套以上, 年销售收入可达 5 亿元。

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