

عنوان مقاله:

Modified bitumen with crumb rubber and calcium carbonate

محل انتشار:

هفتمین کنگره ملی مهندسی شیمی (سال: 1390)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

Present research has investigated the effect of crumb rubber and calcium carbonate on bitumen properties. Different amounts of materials have been mixed in a mixer under different conditions. Penetration degree, softening point and viscosity experiments have been performed on obtained samples. At first, different conditions of adding crumb rubber such as weighted percentage, temperature of mixing and mixing time. In the next step, calcium carbonate was added to the selected mixed bitumen in different added amount weighted percentage. Finally bitumen with 16% crumb rubber and 6% calcium carbonate has been selected as the best quantities for additives.

کلمات کلیدی:

bitumen, penetration degree, softening point, crumb rubber, calcium carbonate

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