

## عنوان مقاله:

Experimental study of sand-rubber mixtures

## محل انتشار:

هفتمین کنفرانس بین المللی عمران، معماری و توسعه اقتصاد شهری (سال: 1397)

تعداد صفحات اصل مقاله: 8

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## خلاصه مقاله:

Use of rubber particles derived from shredding of recycled tyres could be viable alternative for some conventional materials used in construction industries, including geotechnical systems. Mechanical behavior of sand-rubber mixture having both sand and rubber particles with identical particle size distributions is studied and samples with different rubber fractions are tested in direct shear test under various normal stress. Results show the addition of rubber grains cannot enhance significantly the shear resistance of the mixtures and the angle of dilatancy is studied, as the results show angle of dilatancy reduces by increasing the rubber fractions for sand-rubber mixtures under all normal stresses.

## کلمات کلیدی:

sand-rubber mixtures, rubber particle, direct shear test, dilation angle, shear strength

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/838552>

