

## عنوان مقاله:

EFFECTS OF NANO-ALUMINA ON PROPERTIES OF EPDM/NBR COMPOSITE AND COATING

## محل انتشار:

دومین همایش ملی تجهیزات و مواد آزمایشگاهی صنعت نفت ایران (سال: 1395)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

Mechanical properties of nanocomposites based on various network precursors (i.e., acrylonitrile-butadiene rubber (NBR), ethylene-propylene-diene monomer (EPDM) and its blend (NBR/EPDM) reinforced of nanoalumina) is presented here. The mechanical properties of the elastomeric composites were determined, which can be seen in sample EPDM/NBR/Alumina = 50/50/0.5. For this nanocomposite, maximum tensile strength values and synergism were observed. Hardness and percentage of rebound resilience was increase and decrease by increasing alumina nano particle weight percent, respectively.

## کلمات کلیدی:

Nanocomposite, Mechanical properties, Nano Alumina, EPDM, NBR

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/566954>

