

### عنوان مقاله:

Production of hypalon Rubber for generating polymeric boat and investigation of properties

### محل انتشار:

هجدهمین همایش صنایع دریایی (سال: 1395)

تعداد صفحات اصل مقاله: 9

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### خلاصه مقاله:

In order to convert the postconsumer polyethylene to a valuable product, chlorosulfonation of virgin and highly degraded polyethylene has been carried out in the solution phase under atmospheric pressure. Produced chlorosulfonated polyethylene samples from virgin and degraded HDPE are compounded and cured at different temperatures and their mechanical properties are determined. The results show that degradation of used polyethylene does not have noticeable negative effects on the final mechanical properties of produced chlorosulfonated rubbers. Therefore, it can be concluded that chlorosulfonation can be considered as an effective new method for polyolefin recycling.

### کلمات کلیدی:

Chlorosulfonation, Mechanical strength Polyethylene, Recycling, Rubber

### لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/564796>

