عنوان مقاله:

Selection of best Iranian pitch for impregnation in the Carbon-carbon Composite

محل انتشار:

اولین همایش بین المللی قیر (سال: 1387)

تعداد صفحات اصل مقاله: 12

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خلاصه مقاله:

Iranian coal tar pitches include AP63, AP14, MSP and HSP with their fractionation and Natural pitch characterized by carbon yield, density, viscosity, fractionation with solvents, and thermal treatment type using TGA tests. TGA results show characteristic differences in pyrolysis behavior of coal tar pitches, natural pich and fractionation of the pitches. The suitability of these commercially available matrices for densification of 3D C/C composites was examined by a low-pressure impregnation/carbonization process. Best Iranian pitch selected in terms of theoretical result. Data .measured after impregnation indicated that using chosen type of pitch results in a density higher than other types

کلمات کلیدی:

Pitch, Thermoplast resins, Impregnation, C/C Composite