

عنوان مقاله:

Increase in Surface Polarity of a Buffer-Rinsed Bio-Composite Upon Prolongation of Rinse Time

محل انتشار:

دهمین کنفرانس مهندسی پزشکی ایران (سال: 1380)

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خلاصه مقاله:

A Polymer composite was produced mixing RTV silicone rubber and poly (acrylic acid). A tendency to adsorb noticeable volumes of water was observed. Also, polar components of surface tension were observed to increase even after water absorption process has practically terminated. This effect may be attributed to migration of polar groups from the bulk of composite to its surface.

کلمات کلیدی:

Composites, Biomaterials, Hydrogel, Poly (acrylic acid), Surface Tension, Contact Angle, Surface Polarity

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