

عنوان مقاله:

The Mechanical Properties of A cellular (pourous) (NaHCO_3) /Liquid Silicone Rubber Medical Composites

محل انتشار:

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خلاصه مقاله:

Adding of a blowing agent result in a decrease in mechanical properties due to the increased open gap density formed in relation to the material foundation and that gave the Silicone Rubber (SR) the property of elastic spongy and therefore the mechanical properties decreased flexibility, leading to irregular chains, in addition to the gaps formed within porous SR medical composites will decrease resistance to any external force. The mechanical parameters in both extension and compression, such as tensile strength, tear resistance, hardness, elongation, resilience, specific gravity, modulus of elasticity (E), and compression are calculated. This issue is important in absorbing sweat and exudates from wound and injured skin so we aimed to prepare a medical porous composite .using for fasting wound healing and for preventing the formation of scar tissues

کلمات کلیدی:

Porous composites, Silicone rubber, Mechanical properties

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