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Novel development of biological foam

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Abstract

Synthetic foam has been extensibly used in car industry, building, thermal and sound insulation, furniture, construction of aircraft, spacecraft and in medical care. However, these synthetic foams are based on petroleum hydrocarbons, which is an expensive method, and cause pollution to the environment. Therefore our aim was to develop foam made of integrative material in combination with few inorganic compounds. The biofoam shows good mechanical properties flexibility, thermal and pressure resistance. This new biological foam is cost effective and environmental friendly.

Biography

Gabriela Melo Rodrigo. Chemical Engineering and young inventor, Member of the International Park of Creativity (IPOC), Colombia.