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(57) Abstract

A solid, microencapsulated product is obtained by (i) preparing a film-forming aqueous medium comprising a film-forming polymer such as polyvinylpyrollidone and an aqueous suspension of a microencapsulated material, (ii) casting the aqueous medium thus formed onto a substrate and (iii) drying the cast medium to form a cast of the film-forming polymer containing the microencapsulated material.

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(54) Title: PERMEABLE, SHAPED STRUCTURES OF ACTIVE PARTICULATE BONDED WITH PSA POLYMER MICROPARTICULATE

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(57) Abstract

A fluid permeable composite structure having active particulate bonded together using a pressure-sensitive adhesive (PSA) polymer microparticulate. Use of the PSA polymer microparticulate to bond the active particulate together produces a bonded structure that, unlike previously-developed active bonded structures, is flexible and therefore can be conformed into a variety of shapes. The shaped structures may be used as gaseous filters in a wide variety of respirators.

