

ABSTRACT

SEGMENTED GEL COMPOSITES AND RIGID PANELS MANUFACTURED THEREFROM

The present invention describes various methods for manufacturing gel composite sheets using segmented fiber or open-cell foam reinforcements and gel precursors. Additionally, rigid panels manufactured from the resulting gel composites are also described. The gel composites are relatively flexible enough to be wound and when unwound, can be stretched flat and made into rigid panels using adhesives.

[Figure 2]