



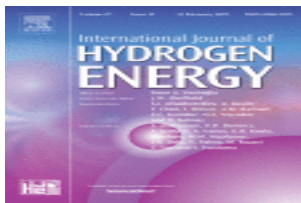
Market Monitoring Newsletter

ARMO'S ROTATIONAL MOLDING NEWSLETTER

jeudi 10 février 2022

Research & Patents

Advances on materials design and manufacture technology of plastic liner of type IV hydrogen storage vessel



Through a detailed investigation of aggregate state structures, formulations and processes, the principles of material modification, primarily inorganic functional filler/polymer filler filling composite and laminated orientation, and their enhancing effects are sorted out. Besides, the benefits and drawbacks of blow molding, injection and welding, and the rotating technique, which were employed by some manufacturers are contrasted in the article, for overcome the problematic molding of hollow plastic liners with metal BOSS structures. This text will be a valuable resource for material exploitation as well as efficient and reliable molding of various liners.

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Rotational molding of polylactide (PLA) composites filled with copper slag as a waste filler from metallurgical industry



The research work carried out so far indicates the ever wider possibilities and demand for shaping composite products in the rotational molding technology. This trend was the main reason to use waste-based filler from the metallurgical process as a filler for manufacturing polylactide (PLA)-based remolded

composites. Copper slag (CS) was introduced in the single-step processing method to PLA matrix at 5, 10, 20, and 35 wt%. The rotomolded composites with different filler content were subjected to in-depth structural analysis discussed in relationship with mechanical and thermomechanical properties changes.

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Process and formulation for the rotational molding of a recycled polymer and associated products



The invention is a rotomolded product including at least two layers of materials forming the product's side. One of the layers incorporates a PCR polymer and at least one other layer incorporates virgin polyethylene. The invention also includes a formulation for the rotational molding of a product, and the production process of such a product by rotational molding. (Translated from French)

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Rotomolding Market News - Europe

The rotomolded bed that chases bed bugs away



Spécialisé dans la conception et la fabrication de meubles pour les collectivités publiques et privées, MCI Mobilier, localisé à Baume-les-Dames dans le Doubs, savait ses clients confrontés au fléau des punaises de lit. La solution que la PME leur propose désormais s'est dessinée en 2017 au cours d'une conversation entre Philippe Delbos, son président, et Eric Maillard, le patron de GMI, une entreprise voisine de rotomoulage.

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A new asbestos dust vacuuming device



Asbestos present in building structures is a real issue for the construction industry : how can workers drill safely when they are confronted with this kind of hazard ? MYRAL sought a solution to this problem and collaborated with ID ROTO SOLUTION. The two companies came up with a specific vacuuming bell that allows drilling in the support that contains asbestos without causing asbestos dust dispersion. (Translated from French)

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Armand Thiberge on LinkedIn :The manufacturing of our first floating solar units has started



The manufacturing of our first floating solar units has started!
One floater is being rotomolded here.

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