



Market Monitoring Newsletter

ARMO'S ROTATIONAL MOLDING NEWSLETTER

jeudi 9 mars 2023

Events

ARMO 2023 will be taking place in Poznań, Poland on 10-12 September

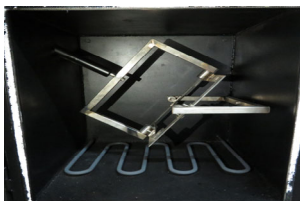


ARMO 2023 will be taking place in Poznań, Poland on 10-12 September. The event is a staple of the rotational moulding community and is held every few years in a different host country. We are excited that the event is taking place for the first time in Poland, under the theme of 'sustainable rotational moulding'. ARMO 2023 follows the outstanding success of the previous show, held in Hamburg in 2018.

Click here to read more : www.armo2023.com

Machinery & Process

Colombia : A student designs a rotomolding process which optimizes recycled plastics molding



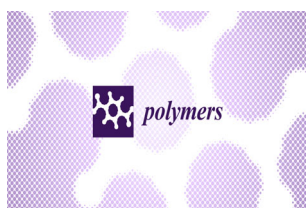
Sofía Valdivia, an engineer student specializing in manufacturing and industrial design at USM, has developed, within the framework of her study project, a simplified rotomolding process to improve the treatment of recycled

plastics. This innovative proposal was evaluated by the National Institute of Industrial Property (INAPI) in Colombia, which awarded her a patent. (Translated from Spanish)

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Research & Patents

Polymers | Free Full-Text | Study of Microwave-Active Composite Materials to Improve the Polyethylene Rotomolding Process



The present paper reports on the formulation and characterization of composite coating materials susceptible to microwave (MW) heating to investigate their application in making the rotomolding process (RM) more energy efficient. SiC, Fe₂SiO₄, Fe₂O₃, TiO₂ and BaTiO₃ and a methyl phenyl silicone resin (MPS) were employed for their formulations. Experimental results showed that the coatings with a ratio of 2:1 w/w of inorganic/MPS are the most MW-susceptible materials. To test the coatings in working mimicking conditions, they were applied to molds, and polyethylene samples were manufactured by MW-assisted laboratory uniaxial RM and then characterized by calorimetry, infrared spectroscopy and tensile tests. The results obtained suggest that the coatings developed can be successfully applied to convert molds employed for classical RM process to MW-assisted RM processes.

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DOUBLE WALL COMPOSITE DRUM ASSEMBLY AND PROCESS FOR MANUFACTURING SAME



The present disclosure concerns process for manufacturing a closed head composite drum assembly, comprising: providing an inner shell defining a material-receiving cavity forming a material-filling opening in the inner shell; rotomolding at least partially a closed head outer drum defining an inner shell-containing cavity, the closed head outer drum at least partially enclosing the inner shell; and forming a bung opening in the closed head outer drum substantially in register with the material-filling opening. It also concerns a double wall closed head drum assembly.

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Rotomolding Market News - Europe

RINASCENTE: LET YOURSELF BE ENVELOPED BY THE TEXTILE WAVE

20/02/2023



Born and launched in 2016 in Milan by Stefano Giovannoni, Qeeboo is an Italian design brand that enhances self-expression with creativity. His narrative objects are the result of a design culture that combines thought, vision and emotion with the aim of bringing individuals into worlds where they feel free to reconnect with their most creative side. With a touch of pop, wonder and culture, Qeeboo's creations are consciously designed to enhance the style of each individual by bringing originality to the environment, arousing a sense of surprise, while maintaining rigorous attention to detail and high final quality. It is the only company in the world that has managed to metallize polyethylene products made with the rotational molding technique, giving them the charm of the chromed metallic finish. (Translated from Italian)

Click here to read more : www.villegiardini.it

Rotomolding Market News - North America

Canada : State-of-the-art barrels



A small revolution is underway in the field of maple syrup which is changing to put itself in 4.0 mode. Hybrix, a Témiscouata company wants to give maple syrup producers the means to take the next step by using connected barrels. Hybrix also innovates by offering barrels made with rotomoulded plastic, which resists heat better, unlike standard plastic which becomes porous. (Translated from French)

Click here to read more : cimtchau.ca
