



Market Monitoring Newsletter

ARMO'S ROTATIONAL MOLDING NEWSLETTER

jeudi 8 décembre 2022

Research & Patents

Urban lighting : an innovative solution, eco-sustainable and resistant to corrosion



Salt fog and atmospheric agents are two of the main causes of the corrosion affecting urban lighting luminaires. This research starts right from the study of this phenomenon. After a short analysis of the corrosion process occurring in traditional aluminum lighting bodies, it highlights the advantages of using an eco-sustainable polymeric material to produce highly resistant luminaires, a perfect example of the application of the circular economy model on products.

Click here to read more : iopscience.iop.org

Adaptive Predictive Control Algorithm for Batch Processes: Application to a Rotational Molding Process



The present manuscript addresses the problem of handling process nonlinearity in batch process operations and control via a re-identification-based subspace identification approach deployed within a model predictive control (MPC) framework. In contrast to existing re-identification algorithms for continuous and batch processes, where all of the recent and past experimental data is chosen to re-identify the model, the proposed approach is designed to use the most appropriate subset of the data.

Click here to read more : pubs.acs.org

Use of Ricinus communis shredded material as filler in rotational molded parts to improve the bio-disintegration behavior



This paper focuses on the use of castor oil plant (*Ricinus communis*) as filler in rotomolded parts using polyethylene (PE) and polylactic acid (PLA) as polymer matrixes. The vegetable shredded material was used in 5 and 10% weight following a dry blending procedure and then rotomolded to obtain cube test parts. This material was characterized to determine its chemical composition, thermal stability, and structure.

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Rotomolding Market News - Europe

ROTOVIA - New life for former rotomoulding operations of Promens, Bonar / Aim to double turnover by 2028



Within the next five years, Rotovia (Dalvik, Iceland) aims to double its turnover from the current level of around EUR 134 mn and become the market leader in its field. Rotovia was founded only a few weeks ago with money from the Freyja and SÍA IV investment funds. The new name combines several rotational moulders and foam processors that originated from the former companies Bonar, Promens, and RPC.

Click here to read more : www.plasteurope.com

Rotomolding Market News - North America

Tank Holding buys rotomolder Solar Plastics

28/11/2022



Tank Holding Corp., said to be North America's largest rotational molder, has acquired rotomolder Solar Plastics, headquartered in Delano, Minn., for an undisclosed amount. Solar Plastics manufactures a variety of high-volume rotomolded products serving a variety of original equipment manufacturers across multiple industries including agriculture, construction, recreational, and petro-lube.

Click here to read more : www.canplastics.com
