



Market Monitoring Newsletter

ARMO'S ROTATIONAL MOLDING NEWSLETTER

jeudi 11 août 2022

Research & Patents

ENHANCED ESCR AND DUCTILITY BIMODAL ROTOMOLDING RESIN



A polyethylene composition having a high flow index and a bimodal composition provides an outstanding combination of environmental stress crack resistance (ESCR) and ductility in rotomolded articles. The composition is easy to process/mold.

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Effect of lamellae thickness on bubble dissolution in rotomoulding



This paper is devoted to the study of bubble dissolution of the melted polymer in rotomoulding process. Two types of linear low-density polyethylene (LLDPE) having the same properties, that is, melt index, melting point, crystallinity, viscosity, comonomer type, but different lamellae thickness were investigated. The results showed that bubbles in rotomoulded parts impaired the low-temperature impact and LLDPE with thicker lamellae showed better bubble dissolution.

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Rotomolding Market News - Asia

Chine : le procédé du rotomoulage impacte le style et la qualité de vie des consommateurs



Le rotomoulage n'a pas encore vraiment percé en Chine, car la plupart des plasturgistes locaux fabriquent encore des produits bruts sans avoir à respecter des exigences strictes en matière de dimensionnement ou de performance. Cela signifie que la plasturgie chinoise n'a pas encore réalisé la nature avancée et la forte compétitivité du procédé de rotomoulage. (Article en Anglais)

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Rotomolding Market News - Europe

This wastewater management specialist cannot stop innovating !



Based in Le Ham (Manche Region, France), the historic factory of Simop (Société industrielle de moulages plastiques) was established in the mid-1970s. This company, whose head office is in Sainte-Mère-Eglise, specializes in wastewater and rainwater management solutions. In total, it employs around 200 people. The forty or so employees of the Le Ham facility run the five rotational molding machines used to manufacture water tanks and microstations. One device in particular catches the eye. Cut in half so that visitors understand how it works, it reveals thousands of small pieces of hazelnut shells. (Translated from French)

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Luxemburg Company : "our refrigerators bring vaccines to every corner of the world"

10/08/2022



Luc Provost, B Medical Systems' CEO, talks about the acquisition of the Luxembourg-based company by the American giant Azena for more than 400 million euros. "We use a very particular production technology : rotational molding. Around this product base, we have developed the traceability of refrigerators, remotely controlled thousands of kilometers away, in distant places like the Amazon rainforest". (Translated from French)

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Non classé(s)

Fortlev and Brenmiller Energy Inaugurate the World's First Renewable Energy-Powered Thermal Energy Storage System for Plastic Manufacturing



Brenmiller Energy, a global leader in thermal energy storage, announced today that it and Fortlev, the largest producer of water storage solutions in Brazil, have inaugurated a bGen Thermal Energy Storage (TES) unit at Fortlev's production facility in Anápolis, Brazil. The 1 MWh bGen unit enables Fortlev to use renewable biomass rather than natural gas to heat the air it uses to make plastic water tanks with rotational molding machines. Substituting biomass for natural gas allows Fortlev to lower the fuel costs associated with heating this air by more than 75%.

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