



Market Monitoring Newsletter

ARMO'S ROTATIONAL MOLDING NEWSLETTER

jeudi 7 octobre 2021

Events

The Affiliation of Rotational Moulding Organisations (ARMO) has recently published 'RotoTrends'



The Affiliation of Rotational Moulding Organisations (ARMO) has recently published 'RotoTrends' - a 56 page document full of innovative designs and products all showcasing the fantastic process of Rotomoulding! "RotoTrends explores the different potentials of rotational moulding showing case-histories where the roto technology is able to open new markets, developing innovative products and working successfully in new niches. The projects developed in partnership with international design institutes, and the selected industrial products produced a faithful portrait of an industry constantly hungry for new ideas, eager to experiment with new shapes and new materials, sensitive to the international richness of globalization."

Click here to read more : www.matrixpolymers.com

Machinery & Process

Rotoline introduces rotational molding machine with a spherical oven

29/09/2021



Rotational molding machines usually have doors, but the Sphere Oven SO 1.60 opens and closes vertically, which enables a more homogenous air flow, reduces heat loss and saves space, according to Rotoline Industrial Equipment Ltda. Rotoline Industrial Equipment Ltda. has introduced

what it says is the first rotational molding machine with a spherical oven.

Click here to read more : www.plasticsnews.com

Research & Patents

PLASTIC BIODIGESTER TANK



The Disclosure relates to a digester system that produces biogas using collected manure. It is designed to accommodate large volume of animal manure and convert it to a renewable source of energy. The system comprises an inlet and outlet chamber, inlet and outlet pipe, and a digester tank. The inlet and outer chamber are made from concrete mixture while the digester tank including the inlet and outlet pipe are made from polyethylene virgin resin, rotationally molded seamlessly in one piece to make installation simple. With an initial of ton load starter of carabao manure stock, the average biogas daily production rate after 3 days is 0.75 cubic meters. Harvested methane gas can be used for household lighting, cooking, and heating up to 6 hours per day.

Click here to read more : worldwide.espacenet.com

WO2021165805 (A1) - Rotomolding Composition



A polyethylene composition suitable for rotomolding and comprising a blend of a stabilized polyethylene, and optionally a substantially non-stabilized polyethylene, with a recycled polymer (PCR), is described. By using a PCR with a higher density and lower melt flow as compared to the stabilized polyethylene, a higher portion of the recycled polymer is present on the interior surface of the rotomolded part. Oxidation of the recycled polymer results in formation of oxidized species, such as carbonyl groups, on the interior surface of the part, which along with higher surface roughness enhances adhesion between the interior surface and coatings or fillings, such as polyurethane, used to provide a layer of insulation or improve structural strength or buoyancy.

Click here to read more : worldwide.espacenet.com

Rotomolding Market News - Europe

The Atlas bench, a cure for drabness



The Atlas bench featuring sinuous shapes and vibrant colours is a one-of-a-kind! Made of rotomoulded polyethylene by designer Giorgio Biscaro for Slide, it is particularly durable and is suitable for both indoor and outdoor use. It is lightweight and stackable, and is available in a range of colours from basic white to the most vibrant colours, and comes in a matt or lacquered finish.

Click here to read more : plastic-lemag.com

Rotomolding Market News - North America

Quebec rotomolder Rotoplast invests \$2.5 million to expand

28/09/2021



Quebec-based rotational molder Rotoplast Inc. is investing \$2.5 million to expand its headquarters plant in East Farnham, Quebec, by 40 per cent to meet what it calls "growing customer demand". The investment will add 16,000 square feet to the existing 40,000-square-foot plant. Beginning in 2022, the expansion will see production capacity increase by 30 per cent and create some 20 jobs. According the company, the common areas for plant employees will also be upgraded to increase comfort, encourage interactions and strengthen the staff's sense of shared identity within the company. Founded in 1994, Rotoplast holds ISO 9001 certification and employs about 40 workers. The company molds kayaks and pedal boats plus a range of consumer and electrical products.

Click here to read more : www.lavoixdelest.ca
