



Market Monitoring Newsletter

ARMO'S ROTATIONAL MOLDING NEWSLETTER

jeudi 25 novembre 2021

Research & Patents

System and method for simulating a rotational moulding process



Computer simulation system configured for determining at least one simulation variable on the basis of a predetermined rotational moulding thermal characteristic of a raw material to be used for the rotational moulding of an object and a simulation of the rotational moulding of the object by means of the virtual rotational moulding system. Computer-implemented method for using the computer simulation system.

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Method and formulation for rotomoulding recycled polymer and products thereof



The invention relates to a rotomoulded product comprising at least two layers of material that form a wall of the product, at least one of the layers comprising post-consumer recyclate (PCR) and at least one of the layers comprising virgin PE. The invention also relates to a formulation for rotomoulding a product and method of manufacturing such a product by rotational moulding. Thus, the invention relates to products, formulations and methods of manufacture and provides new

options for reusing waste polymer material, particularly waste polyethylene.

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Rotomolding Market News - Europe

Dutch PRM Rotomoulding taken over by Swedish XANO Group



The Dutch Rijssen-based PRM Rotomoulding (PRM) has been taken over by the Swedish publicly listed XANO Group (XANO). The business will continue as an autonomous company within the Scandinavian group and become part of the Industrial Products Business Unit. The objective of this acquisition is to take the company to the next level and realize its international growth ambitions. PRM Rotomoulding has specialised in plastic rotational moulding for over 30 years. The company, employing about 50 staff and with a yearly revenue of EURO 11M, has grown to become a renowned business in plastics technology. PRM is the proud owner of the largest rotational moulding machine in Western Europe with a diameter of 6.5 meter. PRM experiments and engineers in house with producing its own raw materials. PRM is mainly active in the agricultural market. The Swedish publicly listed XANO Group consists of a worldwide umbrella of businesses specialising in production and development services for industrial products and automation equipment.

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Rotomolded prevention modules for the safety of road maintenance workers



The French company I.D.O., located in Souillac, in the Lot department, recently delivered the first 6 modules of a prevention device ordered by the local authorities for the safety of the agents of the Cahors Road Service. This patented and innovative human-sized prevention device, visible both day and night (retro-reflective strips visible at 250 m), added to the road signs, aims to intensify the vigilance of motorists in particular areas and increase the safety of agents working on the roads during works, sites or accidents. Manufactured in France at Faulquemont, in Moselle, by rotomolding, these prevention devices can be delivered in blue, red or orange. (article in French)

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Rotomolding Market News - North America

Rotomolded Bedroom Furniture Designed "to Withstand Intentionally Abusive Behaviors"



Furniture manufacturer Moduform serves a specific market with their Moxie line of rotomolded furniture : group homes, psychiatric institutions and adult or juvenile detention centers. Moduform lists a variety of reasons to make these products by rotational molding. In particular, Moxie delivers a decidedly safe, easily cleanable, secure and durable solution for the challenges inherently found in patient bedroom spaces. Fabricated using its in-house rotational molding process, Moxie pieces are one-piece, designed to be ligature, fluid and puncture resistant while engineered durable to withstand intentionally abusive behaviors. Using impact resilient polyethylene, the textured surfaces are easily disinfected using bleach-based cleansers, steam and other commercial grade detergents to aid in the control of infections, viruses and bloodborne pathogens. The bed deck features a unique fluid management system with embedded channels crowned both to the edges and ends to move unwanted contaminants out from under the mattress. On the inside, Moxie is filled with a two-part structural polyurethane foam that adds rigidity while tempering noisy conduct. In addition to serving the institutional needs, user comfort is also addressed. The side rails are profiled so that ingress, egress or just simply sitting at the edge is easy and comfortable. The toe kick has been recessed allowing for easier access. All corners and edges are rounded such that they meet the needs of the patient population by being safe and suitable for the necessary care and treatment.

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