AFFILIATO:

Market Monitoring Newsletter

THE ESSENTIAL NEWS OF ROTOMOULDING WORLDWIDE

Verzellesi, 50 fabulous years from small to giantcompany.

Verzellesi Spa in Campagnola celebrated its 50th anniversary. To mark the occasion, the entire staff gathered to celebrate together with the founders (brothers Valter, Gianni and Ivo) and the current management made up of the second Verzellesi generation.

Since 1973, the company has always grown continuously, from a small production of children's rides and fibreglass tanks for agricultural machinery to an international reference company in the production of rotational moulded tanks and reservoirs. In addition to the production of tanks for agriculture, tanks for the automotive, street furniture, leisure, industrial cleaning and animal husbandry sectors, in recent decades the brand has expanded its market to industrial cleaning, boating and snowmaking. The company exports to thirty countries, with 85 employees and a 34,000 square metre headquarters.

https://www.ilrestodelcarlino.it/reggio-emilia/cronaca/verzellesi-50-anni-da-favola-da-piccola-azienda-a-gigante-f3e5ff8b

RBB GROUP : a recognised player

Interview with Antoine Machado, CEO of RBB Group and President of the AFR, Association Francophone du Rotomoulage. Founded in 2003 on the Ecostart premises in Foetz, specialising in the production of small series of hollow plastic bodies manufactured by rotational moulding for a market extending to a radius of 500 km around Luxembourg, the RBB Group expanded rapidly and transferred its activities to the SISA site in Bascharage.

In 2017, as business continued to grow, the Group decided to create its own site adapted to its business activities. RBB Group therefore set up its 8,000 m^2 production facility on the Triangle Vert business park in Ellange. Bringing together three entities, Rotomade, Biorock and Biorotor, RBB Group is now a recognised player in Europe and the world of rotational moulding and sanitation. The Group is able to meet a wide range of customer requirements in the manufacture and supply of products for the sanitation of private homes and communities.

https://www.cc.lu/toute-linformation/actualites/detail/rbb-group-un-acteur-reconnu

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Robotic Rotational Molding Drives New Precision in Plastics Molding.

Developed by Gemstar Manufacturing, the Robomold robotic rotational molding is a leading-edge technology that delivers tighter tolerances, which can be held with precision-distributed heat and material control. This technology offers consistent part-to-part repeatability, optimized strength-to-weight ratios, and unsurpassed design flexibility, which includes the ability to layer different compounds and coatings into finished parts.

It is ideal for meeting unique product geometries, achieving tight tolerances, and utilizing highly engineered resins with unique requirements. It also is helpful in producing lighter specialty components, meeting reinforced mechanical properties, and utilizing materials difficult for traditional molding methods. With this technology, manufacturers can obtain a more perfect product, wasting less material while increasing consistency. A fully automated process, robotic rotational molding technology eliminates problems that can arise from improper temperature settings by applying precision temperature control to the right combination of ingredients. The mold (or tool) is heated directly with heating wires that are designed based on the part being created. These heating wires are built into the mold and run throughout it, creating multiple heating zones. Each zone can be controlled independently to have different heat levels, determining how much resin is melted on that specific part of the mold. Since the heat is electronically controlled through a thermostat, we can heat to very specific temperatures and achieve optimal results. The blend of high-quality material and precision heating allows for better formation of unique geometries, including varying wall thicknesses and improved threading. Robotic rotational molding technology increases efficiencies, lowers scrap rates, improves quality, and reduces cycle times by as much as 35%, while offering designers a new solution to meet tomorrow's manufacturing challenges. (article written by Kevin Lumberg, the Channel Manager for Gemstar Custom Part Solutions, the custom molded parts division of Gemstar Manufacturing based in Cannon Falls, MN)

https://www.plasticstoday.com/injection-molding/robotic-rotational-molding-drives-new-precision-plastics-molding

GC Launches 'Matrix Polymers Thai (MPT) ' to Expand Production Capacity.

PTT Global Chemical Public Company Limited (GC) has consistently demonstrated its commitment to manufacturing high-quality, safe, and environmentally friendly plastics and chemicals, aligning with its sustainability principles. In 2018, GC acquired a 49% stake in Revolve Group Limited (RGL), a global leader in materials for rotational moulding with production bases across the world.

The latest addition to GC'portfoio is the newly openend production base in Thailand, known as Matrix Polymers Thai (MPT). Matrix Polymers Thai Company Limited, a global manufacturing and supplier of powder coloured plastic compound, plays a crucial role in the rotational moulding industry. The plastic compounds developed by RGL and MPT have gained widespread acceptance in the industrial sector. These compounds offer several advantages, including the ability to be used with standard machines, providing flexibility in product design, maintaining consistent colour and thickness, and exhibiting high strength, excellent elongation, impact resistance, and compressive strength. Moreover, they contribute to reducing the repair work required for plastic products. The establishment of MPT's factory in Thailand signifies an expansion plan by GC and RGL to bolster their manufacturing base for centrifugal plastic compounds in Asia. This strategic move enhances GC's production capacity, reinforcing its position as an industry leader in material production for centrifugal moulding. GC's launch of 'Matrix Polymers' and the establishment of the Matrix Polymers Thai factory in Thailand underlines the company's commitment to expanding its production capacity in Asia. With a strong focus on sustainability, innovation, and technological advancements, GC aims to meet the needs of customers by offering high-quality, environmentally friendly plastic compounds for the rotational moulding industry.

https://www.bangkokpost.com/thailand/pr/2615538/gc-launches-matrix-polymers-to-expand-production-capacity

New range of Lipujet PR grease separators manufactured with rotational molding.

Lipujet PR, ACO's new range of grease separators, is manufactured using a rotational molding system. Compared to the previous Lipujet range, manufactured by welding polyethylene, Lipujet PR can mean economic savings of up to 60%, depending on the complexity of the model chosen and the extensions that are installed on it.

Another of the main advantages of Lipujet PR is that it is made up of four easy-to-disassemble parts, which makes it easy to access and later assemble in narrow spaces, such as through stairs and door openings. In addition, the exchange of parts also facilitates increasing and/or decreasing the nominal size of the separator, as well as being able to change damaged parts without the need to replace the entire product. As for the multiple connections that Lipujet PR integrates, those found in the upper part on the right and left, are used to place sensors to measure the level of accumulated fat. The Lipujet PR can also be attached to a pressure washer head which, depending on the final location of the product, can be attached

either through the side or the top. As for the remaining connections, there are three additional ports where to place a pneumatic panel, an odor trap and a control unit and peephole. Additionally, Lipujet PR can also be connected to other ACO products such as LipuFloc and Liputherm

https://euro.eseuro.com/business/682492.html

Broadway develops 1,000th Custom Colour for Rotational Moulding.

Broadway has been manufacturing rotational moulding powders since 2011, applying the same colouring expertise they've used in over 25 years of developing custom colour masterbatches. 2022 saw Broadway pass the milestone of 50,000 masterbatch colours and they've reached another milestone of 1,000 custom rotational moulding powder colour this year, in July.

Broadway's entire process is managed in-house, the company claims this gives them complete colour control over all materials they manufacture. Over the years they've continued to refine their methods, developing an incredibly efficient and streamlined process for custom colour matching. A powerful combination of old heads and new colouring technology allows colour match lead times to be kept to a minimum. An extensive and growing colour library provides Broadway's expert colourists with a useful resource. This can often be drawn on to aid the development of new colours, whether they're for a custom masterbatch, compound or rotational moulding powder. For new roto colours, Broadway can supply colour samples as plaques, a rotationally moulded cube or hexagonal bin. They can also supply free material samples for moulding trials. Broadway's 1,000th custom roto powder was a turquoise, matched to the target of an on-screen colour: HEX code #02F5F0. The colour has since been approved and material has been ordered. The customer's initial requirement is to mould samples of a new product – a large rotationally moulded container. They'll present the product at forthcoming shows to generate new orders.

https://interplasinsights.com/plastics-industry-news/broadway-develops-1-000th-custom-colour-for-rotational-mould/

Self Group acquires US company Avantech.

Self Group, based in Rivignano Teor (Udine), one of Italy's leading companies in the production of thermoforming moulds, has finalised an agreement for the full acquisition of the American company Avantech, which designs moulds for rotational moulding in the plastics sector, thus extending its activities abroad.

The deal, worth a total of around €8 million, was also made possible thanks to the support of **Friulia**, the financial institution of the Friuli-Venezia Giulia region, which contributed €1.5 million. According to a note published by Self Group, Avantech's contribution will be fundamental in boosting Self Group's international business, given that the company is already present in 29 countries, including the United States, Italy and France, its current main reference markets, which together account for more than half of order sales. The Italian company stresses that the presence of

an office in the United States will enable it to take advantage of the many opportunities offered by a market where demand for plastic-derived products is around €17 billion.

https://www.ansa.it/friuliveneziagiulia/notizie/2023/07/28/self-group-acquisisce-lamericana-avantech_7ccb3aa5-7420-4f2f-a812-493421bfd46c.html

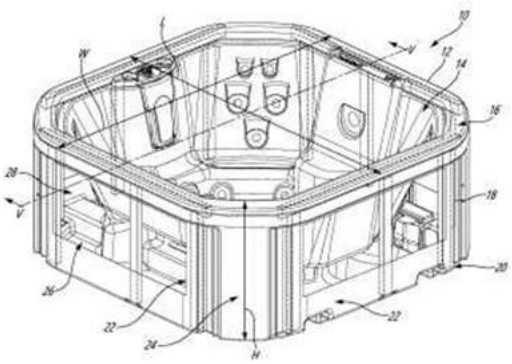
Research & Patents

Composition for application in rotomolding processes and use of the composition.

The present invention relates to a composition for application in rotomolding processes comprising a blend of linear low density polyethylene (LLDPE) in concentrations from 20 to 40% by weight and melt flow index from 1 to 4 g/10 min; high density polyethylene (HDPE) in concentrations from 20 to 40% by weight and melt flow index from 5 to 9 g/10 min; low density polyethylene (LDPE) in concentrations from 0 to 20% by weight and melt flow index from 6 to 10 g/10 min; and linear low density polyethylene (LLDPE) in concentrations from 20 to 40% by weight and melt flow index from 3 to 7 g/10 min. A composition comprising feedstock of renewable origin, as well as its use is also disclosed. (Patent filed by Braskem S.A.)

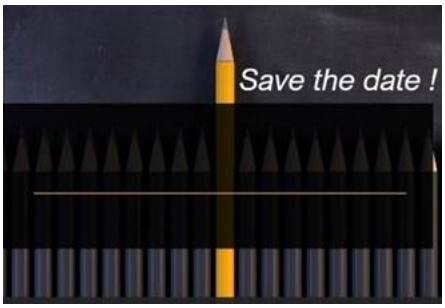
https://worldwide.espacenet.com/publicationDetails/biblio?CC=US&NR=11691317B2&KC=B2&FT=D&ND=4&date=20230704&DB=EPODOC&locale=fr_EP

Rotomolded spa and method of manufacturing a spa.



There is disclosed a spa. The spa generally having a unibody shell having a basin, a rim portion surrounding the basin, a peripheral wall extending from the rim portion, and at least one opening in the peripheral wall, the basin, the rim portion and the peripheral wall defining a cavity therebetween, the at least one opening exposing the cavity; and a frame structurally mounted within the cavity, the frame having a crossbar and a plurality of strut members extending from the crossbar, the crossbar and the plurality of strut members running along respective sides of the at least one opening, the plurality of strut members each being affixed to the unibody shell at locations distributed about the at least one opening.

https://worldwide.espacenet.com/publicationDetails/biblio?CC=CA&NR=3180447A1&KC=A1&FT=D&ND=3&date=20230719&DB=EPODOC&locale=fr_EP



4 August 2023
StAR Ahmedabad Regional Meet
https://www.starasia.org/img/meet2024.pdf

1 /13 September 2023
Rototour Nordic 2023

10/12 September 2023
ARMO World Conference 2023

27/30 September 2023
ARM 2023 Annual Meeting

28/29 November 2023
Master Class AFR

28/30 January 2024.
StaR 2024 Annual Conference & Trade Show
https://www.starasia.org/conference-2024.php