



Market Monitoring Newsletter

THE ESSENTIAL NEWS OF ROTOMOULDING WORLDWIDE

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Central and Eastern region of Europe expands its Drumtainer applications.

Long-time customer, Chemische Fabrik Dr. Weigert GmbH & Co. KG decided to expand its Drumtainer applications for its customers in Poland.



According Adam Hryniewski, Regional Head of Sales & Market Development CEE for VARIBOX, the cooperation brings great results. Cleaning/Sterilizing equipment located in the hospitals uses cleaning & disinfection products provided by our partner in Poland Dr. Weigert Sp. z o.o. Following the cooperation in Czech republic with Dr Weigert, Polish facility with Head office in Warsaw and their end users are able to benefit from using drumtainers for chemical transport and storage. Currently the rotomolded Drumtainers are being installed in many hospitals and medical facilities around Poland.

https://www.linkedin.com/posts/varibox_czechrepublic-poland-ugcPost-7166349181807230976-_AW6

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China Rotomolding Conference information is officially released.

Rising Sun Rotomolding Machinery will co-organize the 2024 China Rotomolding Conference with the RPC-CPPIA in Wenling, Zhejiang Province, China from April 17th to April 19th.

At least 250 participants, including rotomolders from Southeast Asia, Europe and Oceania, are expected. There will be pre-conference seminars to provide more professional rotational molding training. There will be booths on site for corporate brand promotion and new customer development. The objective is to better understand the development of the rotomolding industry in Asia. All rotomolders and rotomolding suppliers are welcome to attend this meeting! Rising Sun Rotomolding Machinery also organizes its Open Day the following day, the 20th April.



https://www.linkedin.com/posts/risingsunrotomoldingmachinery_2024-china-rotomolding-conference-activity-7165964269237305344-mypq

Lined shuttle 3 arms shuttle machine installation completed.

Rising Sun Rotomolding Machinery has completed the installation of a lined shuttle 3 arms shuttle machine. This machine is equipped with 2 straight arms and 1* L arm, a rotating arm can be added later to maximize flexibility.



The machine is equipped with an integrated work platform to facilitate demoulding & charging and improve work efficiency.

https://www.linkedin.com/posts/risingsunrotomoldingmachinery_risingsunrotomolding-rotomolding-rotationalmolding-activity-7166680109255479299-qcja

G.H. Tool & Mold Plant 2 Facility Enhances Capabilities with 60-Ton Crane.

G.H. Tool & Mold's facility in Washington, MO, has recently incorporated a 60-ton crane to expand its capacity. This addition enables G.H. Tool & Mold (a Tooling Tech Group Company) to cater to customers requiring larger tooling builds.



With extensive expertise in designing and producing molds and tooling for various sectors like automotive, appliances, recreation, heavy trucks, and lawn and garden, GH Tool is well-positioned to meet diverse industry needs. The new crane further enhances its ability to support customers with larger tooling projects.

https://www.linkedin.com/posts/tooling-tech-group_gh-tool-missouri-tooling-tech-group-activity-7166796471198048256-xene

New corporate film for GMI.

Groupe Maillard Industrie presents its corporate film introducing the group. 7 days shooting in France and abroad, over 10 hours of rushes....



Produced by Dans La Boucle Productions, this corporate film : shows the international dimension of the group ; presents its many areras of expertise : engineering, plastics processing, mechanical welding and recycling ; highlights the men and women who work here ; and reaffirms loud and clear its values : commitment, respect and loyalty.

https://www.linkedin.com/posts/groupe-maillard-industrie_gmi-corporate-film-activity-7166808942856097792-qjwx

Rotomachinery Group’s new website.

Rotomachinery Group is pleased to announce that its new website is online.



Visitors can explore the world of rotational molding, the machines and accessories proposed by the group, and stay updated on the group's activities.

https://www.linkedin.com/posts/rotomachinery-group_rotomachinery-rotationalmolding-rotomolding-activity-7168651074185244672-FQY6

Rotovia publishes its first sustainability report.

In February, Rotovia published its inaugural ESG report, showcasing its sustainability efforts and milestones achieved over the past year.



As a rotational moulding company, Rotovia recognise sustainability as a key value driving its business strategy and its operations. The report outlines the company ambitious sustainability strategy to 2028, focusing on reduction, reuse and recycling. Rotovia has adopted specific Key Performance Indicators to reduce its carbon footprint and minimise waste generation. This ESG report is a testament to Rotovia’s commitment and aims to inspire others to take action on sustainability so that together we can achieve a positive impact on our society and environment.

https://www.linkedin.com/posts/rotovia_rotovias-first-sustainability-report-2023-activity-7169023451532390401-jSlO

A Visit To IBA Recycling Facility in Nothants.

This article reports on an incinerator bottom ash (IBA) recycling plant at Day Aggregates in Wellingborough, UK, which uses 30,000L Enduramaxx tanks to collect rainwater and run-off.



To supplement the rainwater and surface water harvest, Day Aggregates has also drilled a borehole using a 20,000L Enduramaxx tank. Water management is provided by W R Systems. This recycling facility converts IBA waste into secondary aggregates, which are used as a load bearing sub-base and back fill for roads, paths, driveways, car parks and structural bases etc, reinforcing the commitment to sustainable construction. The IBA recycling facility is poised to become operational in Spring 2024 and signifies a significant step in the Day Group's dedication to sustainable waste management.

<https://blog.enduramaxx.co.uk/day-aggregates-iba-recycling-facility>

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Installation of a Rototec rainwater management system.

In Montbonnot, France, the need for a sustainable rainwater management system led to a search for innovative solutions.



The main challenge was to integrate an efficient system capable of managing large volumes of rainwater, while minimising the impact on the environment and optimising use of the available land. After careful evaluation of the options available, Rototec's INFINITANK technology was selected for its advanced approach to the management system and its reliability. The proposed system involves the use of modular underground cylindrical tanks, capable of collecting and regulating rainwater run-off. Emphasis was placed on the system's adaptability to the existing terrain and ease of maintenance. The construction required the use of resistant and environmentally-friendly materials, guaranteeing durability over time. Excavations were carried out according to the rules of the trade, and the tanks were positioned quickly and safely, thanks to their manoeuvrability, which ensured alignment between the elements and structural stability. The Montbonnot facility is now fully operational. It has proved to be an effective solution for treating rainwater, reducing the risk of flooding and improving water management in the region.

[https://www.linkedin.com/posts/rototec-s-p-a_%3F%3F%3F%3F%3F%3F%3F-%3F%3F%3F%3F%3F%3F%3F-activity-7170373366430863360-106C](https://www.linkedin.com/posts/rototec-s-p-a_%3F%3F%3F%3F%3F%3F%3F-%3F%3F%3F%3F%3F%3F-%3F%3F%3F%3F%3F%3F%3F-activity-7170373366430863360-106C)

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Partnership in Ukraine for Agri-Plastics .

Agri-Plastics, Group of Companies is delighted to announce a partnership with PP Vita Agro in Ukraine.



Its cutting-edge SL Rancher Hutch system has already made its mark on farms across the region, offering unparalleled efficiency and comfort for individual calf housing. With installations completed in January 2024, Agri-Plastics, Group of Companies is proud to see its solution in action on farms, providing optimal conditions for calf development.

https://www.linkedin.com/posts/hanna-kavaleva-814151199_slrancherhutch-farms-individualcalfhousing-activity-7170356838431944707-g9oO

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Gemstar Manufacturing meets Maverick Drone Systems.

A team from Gemstar Manufacturing recently visited Maverick Drone Systems in preparation for a new case.



The team had the opportunity to explore their facilities and learn more about their products and case specifications. Gemstar is happy to go the extra mile to design and customize a protective hard case to fit their needs and thank Maverick Drone Systems for this great visit and its partnership!

https://www.linkedin.com/posts/gemstar-manufacturing_gemstarmanufacturing-protectivecases-maverickdrone-activity-7170464543469498368-kWbG

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Research & Patents

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Comparative study on compressive strength of polyethylene and ethylene vinyl acetate foam mixture using compression and rotational molding method.

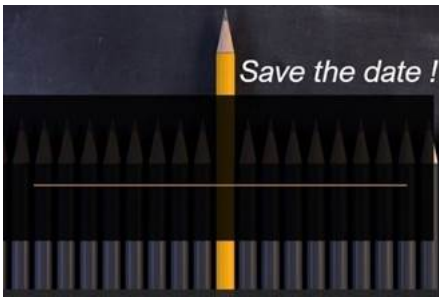


The recognized selection of a product processing method is significant in improving the efficiency and suitability of polymer product applications. In this study, the compressive properties of polyethylene (PE) and ethylene vinyl acetate (EVA) foam mixture (PE/EVA) using compression and rotational molding method were investigated.

The sample was prepared in two steps. Firstly, PE and EVA resins, zinc oxide (ZnO) as an accelerated agent, azodicarbonamide (ADC) as a blowing agent, and other additives were mixed using single screw extrusion to form pelletized products. Furthermore, pellets was processed by compression and rotational molding into a PE/EVA foam mixture sample. The results showed that the compressive strength and the density of the sample with rotational molding method were higher than compression molding method, with a value of 0.24 MPa and 0.258 g/cm³, respectively. However, the hardness value of both methods were not significantly different. To find the affected hardness value, morphology spectroscopy of the foam was observed using scanning electron microscopy (SEM) to measure the size and homogeneity of the foam cells. The results showed that the distribution of foam cells from both methods was not uniform with a random structure. Therefore, the properties of hardness, density, and compressive strength could be determined by the uniformity of the foam cell size. Based on the results of this research investigation, comparing the three parameters of compressive strength, density, and morphology, it can be concluded that the rotational method was better used in the PE/EVA foam manufacturing process.

<https://pubs.aip.org/aip/acp/article/3003/1/020064/3267622/Comparative-study-on-compressive-strength-of>

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June 6/7 June 2024 -
VIII Conference - Rotopol 2024
 Pragua - Czech Republic
<https://rotopol.pl/index.php/en/conference/location>

13/14 June 2024
ARM & IT-RO Tour of Italian Rotomolders
 Italy
<https://rotomolding.org/page/ExecutiveForum>

17/19 June 2024
ARMA Event
 Gold Coast Australia
www.rotomouldconference.com.au

18/19 September 2024
MASTER CLASS AFR
 Lyon – France
[Les évènements - AFR \[Association Francophone du Rotomoulage\]](#)

24/26 September 2024
ROTOPLAS 2024
 Rosemont, Illinois, USA
<https://www.rotoplas.org/>

