



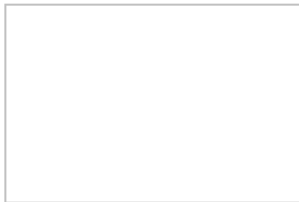
## Market Monitoring Newsletter

ARMO'S ROTATIONAL MOLDING NEWSLETTER

jeudi 12 novembre 2020

### Research & Patents

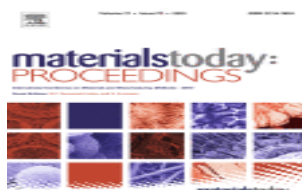
#### **COMPOSITION FOR USE IN ROTOMOLDING PROCESSES, AND USE OF THE COMPOSITION**



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.

Click here to read more : [bases-brevets.inpi.fr](https://bases-brevets.inpi.fr)

#### **Processing and characterization of HDPE and MDPE processed by rotational moulding**



The present work investigates the mouldability of High Density Poly Ethylene (HDPE) and Medium Density Poly Ethylene (MDPE) powders by rotational moulding process. A lab model roto moulding machine has been fabricated. There are two rotating frames – an inner and an outer frame – both rotating about two mutually perpendicular axes. The driving torque is given by a motor.

Click here to read more : [www.sciencedirect.com](https://www.sciencedirect.com)

## **Process and Material Parameter Optimisation of Rotomoulded Polymer Foams**



Polymer foams are essential for the manufacture of low cost, lightweight, buoyant structures typical of offshore energy generation devices. Careful balancing of material and processing conditions is essential to achieving a mechanically optimal cellular structure. To date, a convenient method for optimising rotationally moulded polymer foams has not been demonstrated. An offline experimental method was developed, and a preliminary study conducted, analysing the influence of processing and material parameters, such as polymer particle size or chemical blowing agent (CBA) concentration, on polymer cellular structures.

Click here to read more : [www.sciencedirect.com](http://www.sciencedirect.com)

## **Rotomolding Market News - Australia**

---

### **Pod All-Roads roof top camper 2021 review**



Stockman Pod Trailers are light (they're made from recycled plastic), versatile, and able to be accessorised to your heart's content, but is that enough to maintain the popularity of the company's All-Roads Roof Top Camper in Australia's highly competitive camper-trailer realm? It's potentially the lightest camper on the market. Because Stockman makes the bodies from roto-moulded plastic, it doesn't have the inherent weight of steel, or even aluminium, trailers of a similar size.

Click here to read more : [www.carsguide.com.au](http://www.carsguide.com.au)

## **Rotomolding Market News - North America**

---

### **Deegan-Toter Enter Second-Year Partnership**

05/11/2020



Toter, the nation's leading manufacturer of two-wheeled curbside waste and recycling collection carts, has reached an agreement with Hailie Deegan Racing to serve as the main sponsor for five stock car races in the ARCA Menards Series Manufacturer's Championship, and an associate sponsor for a minimum of seven races during the 2021 season for ARCA's top division. Toter is the leading provider of waste and recycling carts to waste haulers and municipalities in North America. Additional products include specialty carts for: document management, electronic waste, organics, medical waste, and more. Manufactured using Advanced Rotational Molding, Toter carts offer greater service life than injection-molded carts. Toter is also the only commercial-grade cart available to consumers at retailers nationwide.

Click here to read more : [www.waste360.com](http://www.waste360.com)

### **Manufacturing Readiness Grants Awarded to 31 Businesses**

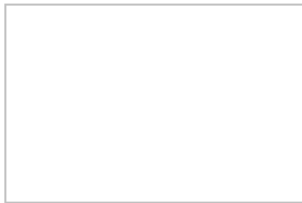
08/11/2020



The Indiana Economic Development Corporation (IEDC), in partnership with Conexus Indiana, announced the second round of awards totaling approximately \$3 million to 31 Indiana businesses in Manufacturing Readiness Grants, which Governor Eric J. Holcomb first announced in May. Jeco Plastic Products LLC (Hendricks County; \$72,000 grant award) established in 1973 in Plainfield, specializes in rotational molding and twin sheet pressure forming to produce logistics products for the printing, pharmaceutical and automotive industries. The company is moving into aerospace and defense, investing in equipment modifications and precision measuring devices.

Click here to read more : [www.buildingindiana.com](http://www.buildingindiana.com)

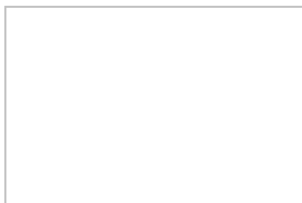
### **Bike Storage Provider ALPEN Storage Sets Sights on Real Estate Sector**



ALPEN Storage, Inc., maker of the ALPEN Bike Capsule, is partnering with multifamily property owners to rent its Capsule to residential tenants throughout the country. After already achieving popularity with cyclists, ALPEN Storage now sets its sights on partnerships within the real estate industry. Built from virtually indestructible roto-molded polymer and equipped with an integrated locking mechanism with optional Bluetooth functionality, ALPEN Bike Capsules are made in the U.S.A., by the manufacturer of YETI coolers and engineered to protect and extend the life of a bicycle. The ALPEN Bike Capsule has been developed for both indoor and outdoor use in residential, commercial, and municipal applications.

Click here to read more : \_

### **Bike Storage Provider ALPEN Storage Sets Sights on Real Estate Sector**



ALPEN Storage, Inc., maker of the ALPEN Bike Capsule, is partnering with multifamily property owners to rent its Capsule to residential tenants throughout the country. After already achieving popularity with cyclists, ALPEN Storage now sets its sights on partnerships within the real estate industry. Built from virtually indestructible roto-molded polymer and equipped with an integrated locking mechanism with optional Bluetooth functionality, ALPEN Bike Capsules are made in the U.S.A., by the manufacturer of YETI coolers and engineered to protect and extend the life of a bicycle.

Click here to read more : \_