

Masterbatches, biodegradable & non-biodegradable

Colours that respect the planet



Biomasterbatches with biodegradable "ingredients" are now used in a variety of different industries, from shopping bags to packaging and even for more technically demanding products

Colours take on new depth and elegance today, even a new look, iridescent in the sunlight.

New effects are created for the technical areas where new colours represent an added value to the final product, allowing the customer to be proactive with new chromatic lines.

Since 1971, Vanetti has been committed to fulfilling every possible customer requirement with regard to colourings and additives for plastics in the fields of extrusion, injection moulding and blow moulding. Its passion for colour and its customer service are just two of the reasons why processors choose Vanetti. The Italian company (based in Marnate, Varese) use technologically advanced equipment and carefully select only the finest quality raw materials, so its masterbatches can guarantee outstanding performance.

Furthermore, Vanetti is fully aware of environmental issues and the need of safeguarding our planet, which is why its technicians have always selected eco-compatible raw materials to use in the company's products.

With all this experience, Vanetti has recently perfected the range of its biodegradable products, Biomasterbatches (registered trademark), developing a second generation for these biopolymers, molecularly modified and rendered even more adaptable to processing. In recognition for its work, the Italian company received the "Vinçotte OK compost" certificate which attests to the quality of the Biomasterbatches and ensures their suitability for colouring new-generation biopolymers. The greatest advantages of using Biomasterbatches are the ease of dispersion and easy processing during production, in compliance with the latest European regulations governing biodegradation. These products are designed for application with PLA, Mater-Bi, and all the new biodegradable polymers.

In addition to masterbatches and biomasterbatches, Vanetti also offers customers a 360° service for the processing of plastic materials. Its additives, for instance, supplement the basic molecular aspects when added to plastic during the production of a finished product, thereby creating a new product with technical characteristics specifically designed to satisfy the processors' requirements.

The company will surely exhibit its products at Plast 2018 (Milan, Italy, May 29-June 1), the most important European plastics and rubber trade show of next year. ■ www.vanettimaster.com

Purging compounds

Efficient colour changes

Plastics converters have to face important losses directly linked to frequent colour change and material change operations. It is now a well-known fact that a good purging compound will sensibly diminish the impact of such operations, directly reducing production costs and increasing the efficiency of the machinery. Ultra Plast purging compounds, manufactured by the Swiss company Ultra System (stand 7120, hall A7, at Fakuma 2017), are at the forefront of technology in their sector. The purely chemical cleaning action removes the residues on the screw and in the hot runners systems without damaging the metal parts of the machine.

Thanks to important investments in R&D, Ultra System has constantly extended its product offer. With three product ranges, Ultra Plast has the best solution for ev-

ery converter and every situation. In fact, Ultra Plast can be used on all types of machinery for cleaning operations up to 400°C, without generating smokes or smells. In compliance with strict legislation on food-contact plastic items and white-room productions, the entire Ultra Plast assortment is adapted to every possible application.

The new Qualipurge CS product range, with the new strengthened formula, has recently been developed to obtain the best results even in the most difficult situations. Tests performed in laboratories and in production lines confirm the benefits deriving from the use of the Qualipurge CS range, which allows a reduction of up to 85% in production costs.

Ultra Plast is available worldwide thanks to its official distributors. ■ www.ultrasystem.ch

AVERAGE VALUES	WITHOUT ULTRA PLAST	WITH ULTRA PLAST	WITH ULTRA PLAST-CS
Neutral material (kg)	350.00	30.00	25.00
Cost of neutral material (€/kg)	1.30	1.30	1.30
Ultra Plast (kg)	--	20.00	10.00
Cost of Ultra Plast (€/kg)	--	9.00	11.00
Purging cost (€)	455.00	219.00 (-51.9%)	142.50 (-68.7%)
Time for purging (h)	3.00	0.50	0.30
Down-time cost (€/h) Including operators cost, energy, amortization, production loss	100.00	100.00	100.00
Total cost of down time (€)	300.00	50.00 (-83.3%)	30.00 (-90%)
TOTAL COSTS (€)	755.00	269.00 (-64.4%)	172.50 (-77.2%)

Test carried out with Ultra Plast PO-C and PO-CS on a 60-mm screw diameter, cleaning of screw and hot runners, 24 cavities; colour change from blue to white. Made in Germany at caps manufacturer. Prices for the European market.