

Our team is at your service

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ADVANTAGES

BLOW MOLDING TECHNOLOGY



Certifié DIN ISO 9 001
Certified to DIN ISO 9 001

OUR KNOW-HOW: EXTRUSION BLOW-MOLDING TECHNOLOGY FOR HIGH-DENSITY POLYETHYLENE (HDPE)

For more than 50 years, the RIKUTEC group has been dedicated to manufacturing high-quality extrusion blow moulding machines, cutting-edge tools and tanks. Our patented technology is at the cutting edge, enabling the efficient production of large-volume hollow bodies in High Density Polyethylene (HDPE). Thanks to a unique manufacturing process, we create products with impressive capacities of up to 10.000 litres. Our extensive expertise guarantees not only the highest quality, but also innovative solutions for a wide range of applications.

	BLOW MOLDING	ROTOMOLDING	CONCRETE	INJECTION	POLYESTER
RESISTANCE MECHANICAL	+++ no risk of breakage	++ risk of breakage (fragile)	+++ risk of breakage (fragile)	++ risk of breakage (fragile)	+++ risk of breakage (fragile)
INCORPORATION RECYCLED MATERIAL	Possible on a large scale	Possible at low rates	Possible on a large scale	Possible on a large scale	No
RAW MATERIALS	HDPE (High Density Polyethylene)	LDPE (Low Density Polyethylene)	Concrete, cement	pp (Polypropylene)	Components based on styrene, benzene and chromium VI
CARBON IMPACT OF MANUFACTURING	Very low	Medium	Strong	Low	Medium
PIECE WEIGHT	Light	Light	Heavy	Light	Medium
PROCESS CONTROL / THICKNESS	Very high	Low	Medium	Very high	Medium
COMPATIBILITY CHEMICAL	Very high	High	Low	High	Medium

RIKULEN RP TYPE 1

Our PCR (Post-Consumer Recycled) material, RIKULEN RP TYPE 1, is produced at our plant in Altenkirchen, Germany, and is used in our rainwater and wastewater treatment tanks, accounting for up to 80% of their composition. This material is derived from previously used (waste) and recycled products. By incorporating RIKULEN RP TYPE 1 into our HOUSING sector, we are actively signalling our commitment to environmental responsibility, resource conservation and quality.

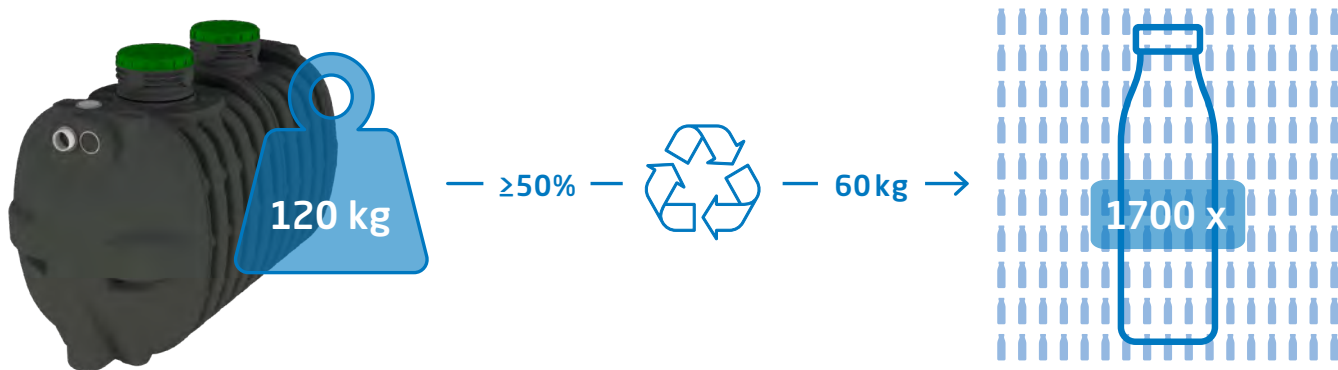


Circular Economy approach

RIKUTEC France is a market forerunner with a long-term commitment to producing solutions for water treatment (rainwater, stormwater, and wastewater). RIKUTEC France is manufacturing and marketing products (particularly tanks) made largely from recycled high-density polyethylene, which are ultimately 100% recyclable. These products illustrate RIKUTEC France’s active participation in the circular economy, as they are made from an average of 80% recycled high-density polyethylene from selective sorting (milk bottles, shampoo bottles, washing powder cans, drums and jerrycans). RIKUTEC France thus makes it possible to transform a short-lived product, an HDPE bottle, into a long-lasting product, an HDPE tank. In one year, using almost 3.600 tonnes of material to manufacture the tanks, RIKUTEC has achieved a record 82 million recycled bottles.

Our commitment to recycling

LNE certificate 39699-0 - Incorporation of recycled plastic materials
February 28, 2024



Illustrated with an AT 122 in 3.000 liter capacity (120kg net weight), thanks to the incorporation of 50 to 80% recycled material, we can reuse the equivalent of (60 to 96kg of HDPE), i.e., between 1.700 and 2.700 milk bottles