



# Innovations in Plastic.

Packaging for Transport of Hazardous Goods.  
Barrier Container Technology.  
Technical Parts.

# Your Expert for Blow Molding Extrusion

Müller Plastics is producing at their Swiss production site in Muttenz qualitatively outstanding packaging containers and technical parts made of plastics. Our highly efficient enterprise is producing on multiple industrial blow molding machines containers, bottles and drums with a capacity from 3 up to 60 liters as well as a wide range of different molded technical parts. A trade assortment of drums and large containers up to 1'000 liters is rounding up the range of goods. State-of-the-art machines, a silo storage system for raw materials as well as large warehouse capacities guarantees a reliable and flexible production.

Müller Plastics has established itself in the market as a specialist for «MultiCan», barrier containers manufactured with the six-layer CoEx Process. Besides an EVOH barrier the MultiCan line is also equipped with an antistatic outer layer and thus meets the latest requirements for easily inflammable contents according to standard TRGS 727. Since 2007 Müller Plastics is a BRC-certified food industry packaging manufacturer.

## **Müller Plastics is a member of the Müller Group.**

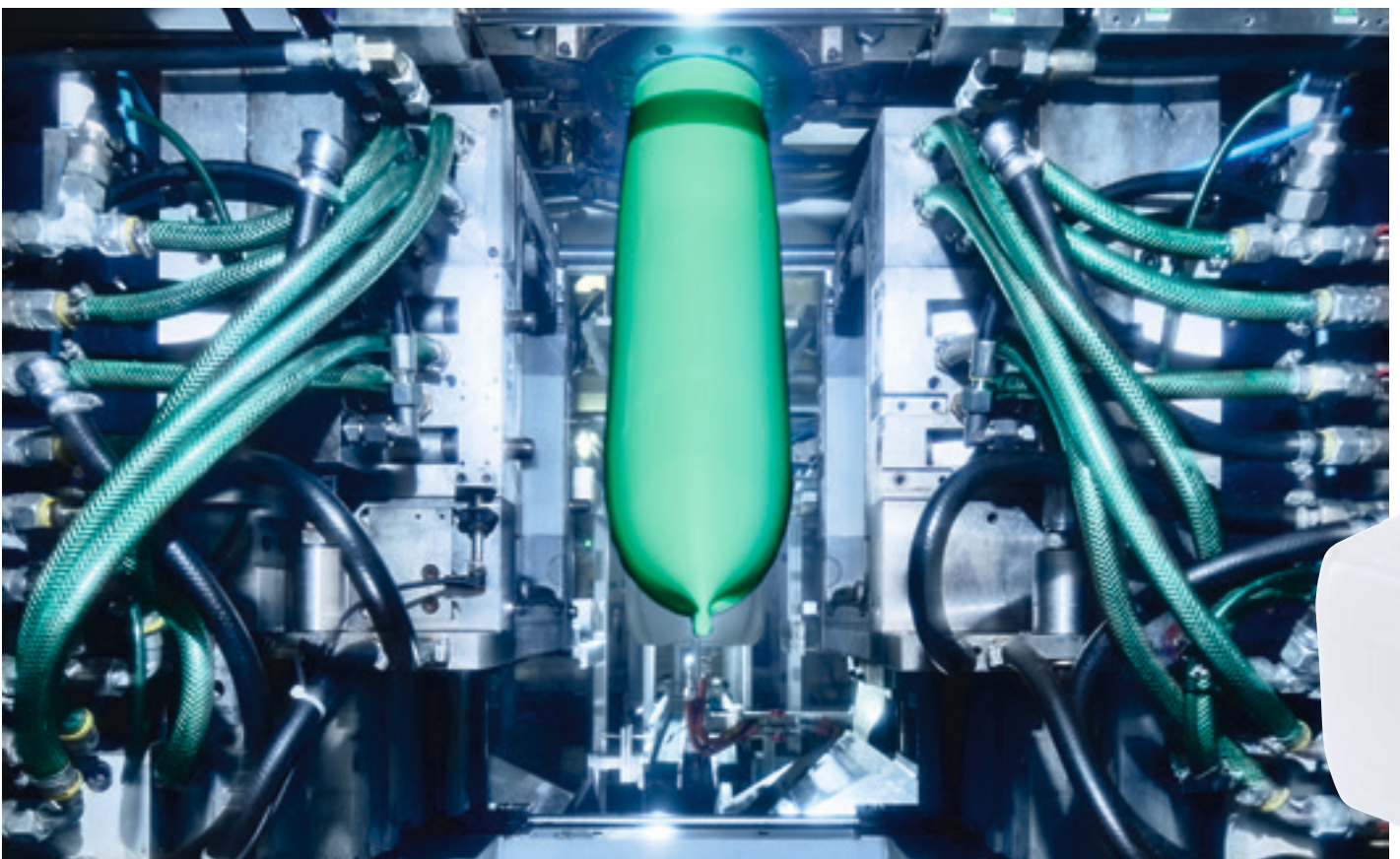
The four companies in the Group develop, manufacture and sell

- industrial packaging made of mild steel, fibre, plastics and stainless steel,
- storage, transport and process vessels out of stainless steel as well as
- handling, dispensing and GMP washer systems.

The Müller Group offers its customers individual solutions for a wide range of applications in the pharmaceutical, chemical, hygiene, cosmetics, flavors and fragrances, food, mineral oil, paints and coatings, semiconductor, storage and distribution industries.

The internationally oriented family enterprise with over 120 years of experience has 400 employees at production sites in Switzerland and Germany. The Group's worldwide presence is underpinned by a network of more than 50 representatives.

Blow molding at its excellence -  
an extrusion parison ...



# The Reliable Container Line

Different customer benefits will be satisfied if products are designed to fulfill multiple needs. With its reliable stackable container line, Müller Plastics impressively emphasize that they belong to the most innovative European plastic packaging manufacturers.

The stackable containers fulfill the highest quality standards and are perfectly tuned to the needs of very different branches. A complete supply chain traceability is ensured thanks to efficient batch traceability

The containers are available in various sizes (3, 5, 6, 10, 12, 20, 25 and 30 liters capacity). The smart combination of various container sizes results in optimum space requirements for best possible utilization of EUR Pallets.

## **YOUR CUSTOMER BENEFITS AT A GLANCE**

- High Swiss quality
  - Food compliant due to high degree of purity
  - Attractive Price-/Performance ratio
  - Saves space at transportation
  - With UN certification
- 



...becomes a container.



# Standard Stackable Container with UN Certification

The plastic containers of this series are recommended for all chemical-technical goods which do not need any higher requirements on permeation and dissipative ability.

The GlobalCans are standard stackable Euro containers with a closed carrying handle and sophisticated design to improve stacking resistance with various opening diameters.

From a capacity of 20 upwards 30 liters the GlobalCan can optionally be provided with a shaped thread for a  $\frac{3}{4}$  outlet tap.



## YOUR CUSTOMER BENEFITS AT A GLANCE

- Container for hazardous goods transport
- Stable
- UN Certification
- Chemically largely inert
- Safe in handling and transportation

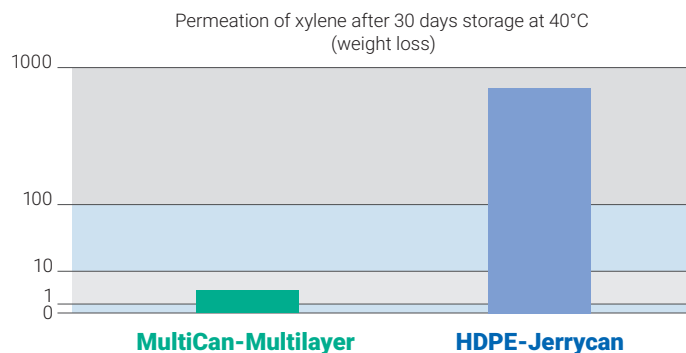


# With EVOH Barrier Layer Avoiding Permeation

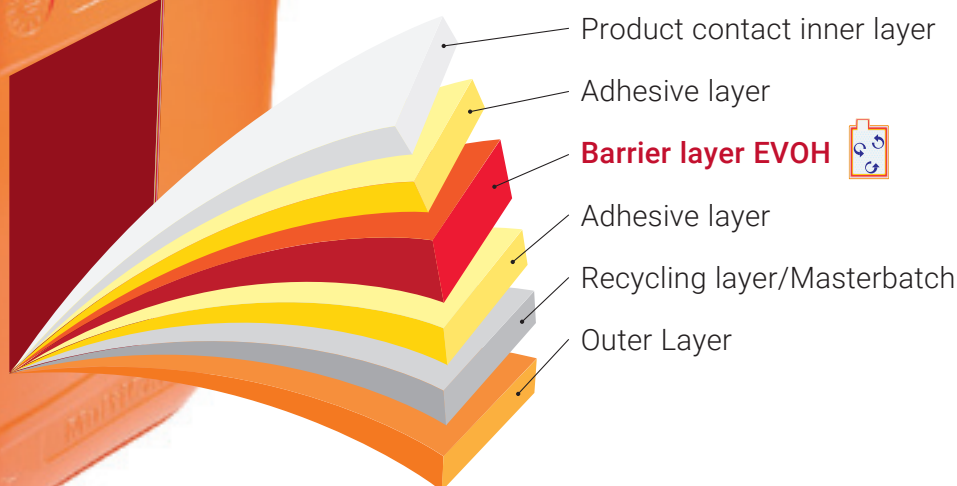
Thanks to the six-layer multilayer technology, this container is perfectly fitted for oxygen-sensitive contents and for liquids tending to permeation, such as for example non-polar hydro-carbon compounds.

These plastic containers are especially designed for flavours and fragrances but also for alcohol, paints and coatings, additives, solvents as well as detergents.

The effectiveness of the 6-CoEx-layers is approved:



Used for oxygen-sensitive and/or liquids tending to permeation



## YOUR CUSTOMER BENEFITS AT A GLANCE

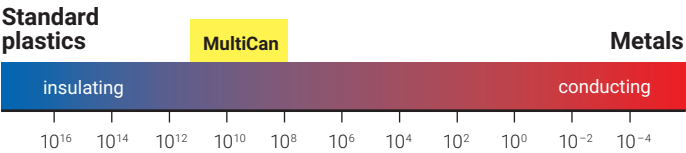
- The filling medium only has contact with food certified HDPE
- The characteristics of your products remains stable
- The permeation of your liquids will be prevented effectively
- Produced according to BRC Standard
- Flexible and inherently stable transport packaging with UN certification



# CoEx 6-Layer Dissipative Containers

Generally containers made out of HDPE are isolating containers – Müller Plastics makes them dissipative. This allows replacing usual steel containers with our plastic containers.

Plastic containers of this series feature a surface with dissipative conductivity and thus fulfill legal requirements (TRGS 727 respectively TS IEC 60079): Static Charges will be derived.



Classification of plastics on the basis of the surface resistance

This container family is produced in MultiCan Design. Besides the antistatic equipment this container also features EVOH barrier layer.

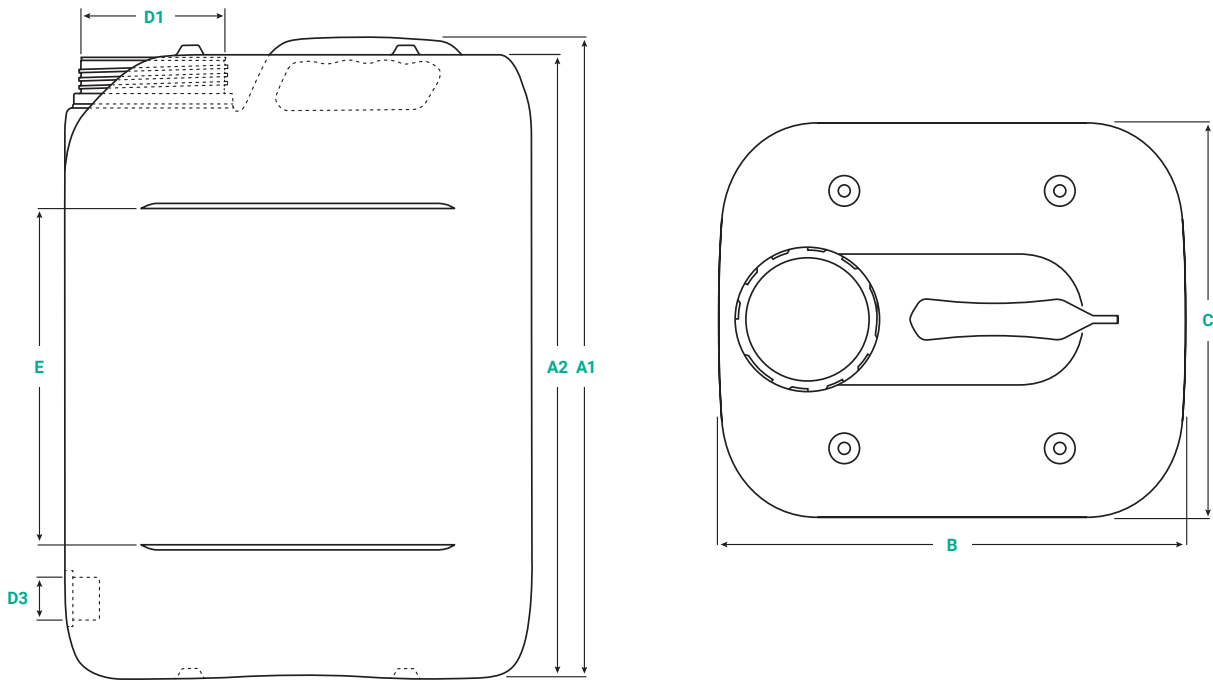


## YOUR CUSTOMER BENEFITS AT A GLANCE

- Dissipative, can be used in EX-Zone I
- Approved for the use of flammable liquids of explosions group II A and II B
- Permeation-resistant
- Highly effective EVOH barrier against gases (for example Oxygen, carbonic acid)
- Flexible and inherently stable transport packaging with UN certification

# Technical Plastic Container Dimensions

The presented GlobalCan and Multican stackable containers can be produced in different standard sizes.



Liter	A1	A2	B	C	D1	D3	E
3	171	158	194	164	45/51/61		72
5	229	216	194	164	45/51/61		133
6	269	256	194	164	45/51/61		172
10	311	300	232	192	45/51/61		186
12	376	365	232	192	45/51/61		251
20	399	388	290	245	61/95	3/4"	209
25	471	460	290	245	61/95	3/4"	281
30	543	532	290	245	61/95	3/4"	353

All dimensions and technical data are given as average.  
The drawings are simplified illustrations and do not correspond to the effective design.  
Subject to change without prior notice.  
UN-approvals: Details on request.

# Our Wider Range of Products for Additional Customer Needs

A commercial range and products made of our own productions complete the selection of hazardous goods containers. This partial assortment includes containers with a filling volume between 0.3 up to 1'000 liters, all in HDPE quality.



Technical parts produced as per customer needs and tools

## Polyethylene Parts for Various Needs

Whether freezer packs for pharmaceutical packaging, resin containers for 3D Printer or sports equipment or your own idea: blow extrusion provides a whole world of possibilities!

These technical molded parts are developed customer-specifically and produced individually.

### YOUR CUSTOMER BENEFITS AT A GLANCE

- Individual consulting, project accompaniment and production
- Your product is developed jointly with you and the tooling manufacturer up to serial production





# Responsible Management for the Benefit of the Customers

## CUSTOMER FOCUS

- We are positioning ourselves as an innovative, reliable solution provider
- Sustainability in terms of customer advice and care is our top priority
- We are focused in longstanding and trusting partnerships
- We uphold flexibility in order to meet new customer needs in time

## QUALITY CERTIFICATIONS

- BRC Global Standard
- Qualitymanagement ISO 9001
- Work safety OHSAS 18001
- Environmental management ISO 14001

## QUALITY MANAGEMENT

- BRC hygiene management for the production of food packaging as per HACCP Concept
- Comprehensive range of UN type-tested plastic containers suitable for the transport of hazardous goods
- Own quality assurance laboratory
- Rolling inspection and optimization of the production processes (incl. check of environmental sustainability)

## ENVIRONMENTAL MANAGEMENT

- Systematic return of punched scraps the production process
- Reuse of process heat for heating purpose
- Own electricity producer (30kw solar panels) thus partly energy self-sufficient

Quality control: Verification of the CoEx layers by use of a microscope.



# Müller Group.

## From Packaging to Processing.



**MVM Pack-Holding AG**  
Tramstrasse 20  
4142 Münchenstein  
Switzerland  
T +41 61 416 12 00  
F +41 61 416 12 22  
[group@mueller-group.com](mailto:group@mueller-group.com)



UN-approved packaging made of  
mild steel, stainless steel and fibre.

**Müller AG Verpackungen**  
Tramstrasse 20  
4142 Münchenstein  
Switzerland  
T +41 61 416 12 00  
F +41 61 416 12 22  
[packaging@mueller-group.com](mailto:packaging@mueller-group.com)



Plastic packaging and  
technical moldings.

**Müller AG Plastics**  
Falkensteinerstrasse 4  
4132 MuttENZ  
Switzerland  
T +41 61 467 93 93  
F +41 61 467 93 99  
[plastics@mueller-group.com](mailto:plastics@mueller-group.com)



Storage, transport and process  
vessels out of stainless steel.

**Müller DrumTec GmbH**  
Industrieweg 5  
79618 Rheinfelden  
Germany  
T +49 7623 969 0  
F +49 7623 969 69  
[drumtec@mueller-group.com](mailto:drumtec@mueller-group.com)



Integrated handling, dispensing  
and GMP washer systems.

**Müller AG Processing**  
Tramstrasse 20  
4142 Münchenstein  
Switzerland  
T +41 61 416 12 12  
F +41 61 416 12 13  
[processing@mueller-group.com](mailto:processing@mueller-group.com)