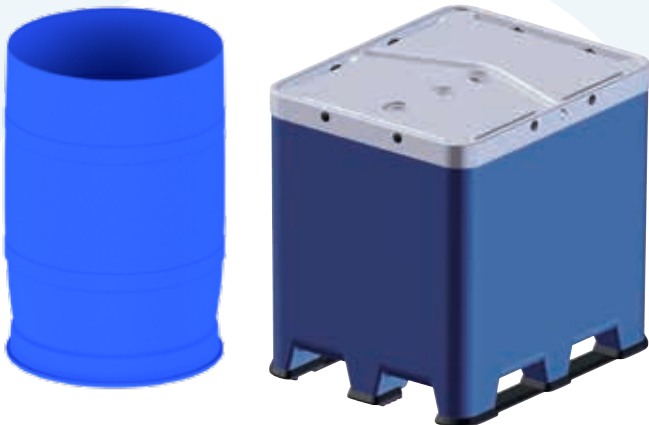


# POLY IBC & DRUMS

HIGH PURITY PACKAGING  
STORAGE AND TRANSPORT SOLUTION



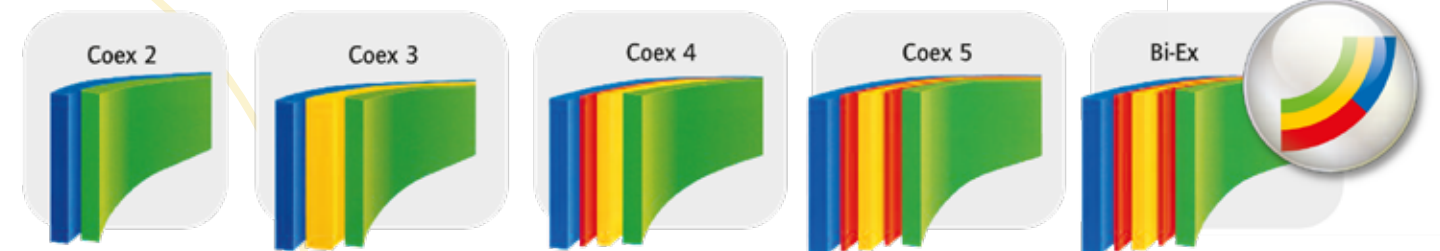


## COEXTRUSION MULTI-LAYER TECHNOLOGY FOR LARGE VOLUME CONTAINER – A DEVELOPMENT BY RIKUTEC

The RIKUTEC multi-layer blow-molding technology opens entirely new & future markets. RIKUTEC's innovative thinking and development has allowed for the production of large volume containers and large surface area components with multilayer wall structures specifically designed to meet customer product requirements.

### The RIKUTEC coextrusion process offers:

- considerably reduced permeation rates for hydrocarbons
- storage & transport of aggressive chemical products in large volume containers with multi-layer wall designs
- greatly enhanced mechanical properties for tanks featuring with multi-layer wall design
- additive free, clean Polyethylene usage for inner wall layer exposed to chemicals



## ABOUT US

The RIKUTEC Group is an international enterprise specializing in the plastic blow-molding field. Its headquarters is located in the German region of Westerwald in close proximity to Bonn which is known as the former capital of West Germany.

The origins of our business began with the design and manufacturing of blow-molding machines which included mechanical and plant engineering. Our business continued to evolve with the introduction of Industrial Packaging, and large storage tanks which our customers utilize for various applications where high purity standards are essential. The development of these products is a result of our innovation and expertise. With its system solutions (Poly-IBC and RIKUTEC drum), RIKUTEC covers a wide range of applications in the most diverse industries. The high-purity materials used in our co-extrusion blow molding process and the absence of metals – assures a high degree of specific handling in the respective industry. Low to high-viscosity media are stored and transported hygienically and in a manner appropriate to the application with maximum safety.





RIKUTEC IS CERTIFIED TO DIN ISO 9001



- ULTRA CLEAN specially for high purity chemicals



- ALL PLASTIC DRUM no steel components



- ENERGY ABSORBING minimum risk for damage



- CONDUCTIVE for use in ex-zones



- MULTI LAYER COEX SYSTEM patented by RIKUTEC



- TEST PRESSURE 320 kPa Twin Drum and UC Drum heavy



- SECONDARY CONTAINMENT 110%



- HIGHEST SAFETY STANDARDS



- 100% RECYCLABLE

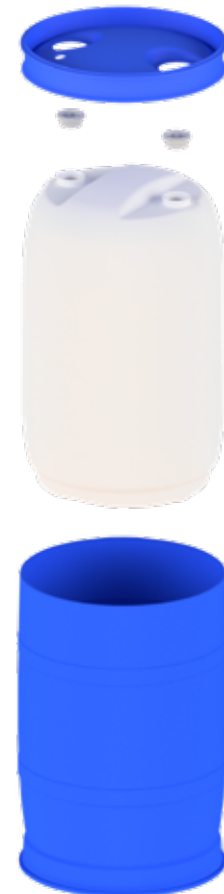


- CORROSION-FREE



## TWIN DRUM – THE FIRST ALL PLASTIC COMBI DRUM

- high purity drum, low content of trace metals and particles
- absorbs impacts and the energy from falls
- safe storage of highly aggressive chemicals
- no additives and stabilizers within the inside layer
- high vapor pressure and vacuum resistance tested and approved
- outer layer of the Twin Drum is blue in color and is made from HDPE with a special UV stabilizer
- Quick Connect dispense system approved
- packaging group I approved



## UC-DRUM & UC-DRUM HEAVY



### UC = ULTRA CLEAN

- high purity drum with very low trace metals and particles
- no additives and stabilizers within the inside layer
- high vapor pressure and vacuum resistance tested and approved
- outside layer is made of conductive HDPE with a special UV stabilizer
- UN approved for a wide range of chemicals
- QC dispense system approved
- double L-ring for a safe handling and stability
- heavy version specifically developed for ammonia and its derivatives
- packaging group II and III approved

## UC-DRUM LIGHT

### UC = ULTRA CLEAN

- high purity drum with very low trace metals and particles
- no additives and stabilizers within the inside layer
- outer layer for the LD Drum is blue in color and is made from HDPE with a special UV stabilizer
- UN-approved for a wide range of chemicals
- QC dispense system approved
- L-ring for a safe handling
- tested to 200 kPa
- packaging group II and III approved



## CD-DRUM

### CD = CONDUCTIVE

- QC dispense system approved
- outside layer: conductive HDPE with a special UV-stabilization ( $\leq 10^{-6} \Omega$ )
- used for flammable chemicals
- no additives and stabilizers on the inside layer
- EEC approved
- packaging group II and III approved



	UC-DRUM	UC-DRUM HEAVY	UC-DRUM LIGHT	CD-DRUM	TWIN DRUM
Capacity*	200 l / 52 US gal lqd	200 l / 52 US gal lqd	200 l / 52 US gal lqd	200 l / 52 US gal lqd	200 l / 52 US gal lqd
Ø × Height*	580 × 960 mm 22 × 38 in	580 × 960 mm 22 × 38 in	580 × 960 mm 22 × 38 in	580 × 960 mm 22 × 38 in	585 × 963 mm 23 × 38 in
Weight*	14,5 kg / 32 lbs	16 kg / 35 lbs	11,1 kg / 25 lbs	16 kg / 35 lbs	15,9 kg / 35 lbs
Bung opening*	2 × S62 × 5 mm	2 × S62 × 5 mm	2 × S62 × 5 mm	2 × S62 × 5 mm	2 × S62 × 5 mm
UN approval*	1H1/Y1.9/300/D/BAM 6834-RIKUTEC	1H1/Y/300/D/BAM 6934-RIKUTEC	Authorization applied for	1H1/Y/150/D/BAM 7369-RIKUTEC	6HH1/Y1.9/320/D/BAM 14926-RIKUTEC

Approval holder: RIKUTEC Richter Kunststofftechnik GmbH & Co. KG | 57610 Altenkirchen | Germany

\* Errors and technical changes reserved



RIKUTEC IS CERTIFIED TO DIN ISO 9001



**ALL PLASTIC DRUM**  
No steel components



**ENERGY ABSORBING FEET**  
Minimum risk for damage



**SECONDARY CONTAINMENT**  
110%



**REUSABLE CONTAINER**  
Excellent multiway solution



**100% RECYCLABLE**  
Only one construction material - easy to remanufacture



**HIGHEST SAFETY STANDARDS**  
UN approved



**CORROSION-FREE**

## POLY IBC – ALL PLASTIC CONTAINER THE COMPONENTS

### 1 COVER

- material = HDPE
- dust cover is optional

### 2 INNER CONTAINER

- HDPE for specific requirements
- two-layer structure

### 3 OUTER CONTAINER

- made of HDPE/HMW-HDPE through the stretch-molding technique with molded-on pallet base
- three-layer structure with a foamed middle layer providing superior protection against damage

### 4 PALLET BASE

- interchangeable pallet boards made of HDPE, for frame or euro pallet design
- ‚Skid‘ or ‚Frame‘ pallet base is available



## POLY IBC UC 1000

- high purity bottle with very low trace metals and particles
- bottom outlet not available with this version IBC
- multi trip DOT returnable
- UN-approved
- dispensing and filling with dip tubes



## POLY IBC UC-S 1000

- high purity bottle with very low trace metals and particles
- approved for highly concentrated nitric acid (70%)
- no bottom outlet for safety reasons
- multi trip DOT returnable
- UN-approved
- dispensing and filling with dip tubes



## POLY IBC CD 1000

- for transportation of highly flammable liquids, electronic chemicals
- conductive  $\leq 10^6 \Omega$
- high purity bottle with very low trace metals and particles
- safe and secure conductivity even after emptying of goods
- UN-approval
- explosion protection zone 1 + 2
- dispensing and filling with dip tubes



## POLY IBC CD 1000 WITH BANDEROLE

- for transportation of highly flammable liquids, electronic chemicals
- UN-approval, EEC with low flash points approved
- explosion protection zone 1 + 2
- maximum safety due to conductive sleeve
- adequacy for highly flammable and high sensitive liquids
- high purity bottle
- constant conductivity
- for safety reason no bottom outlet available. Filling and dispensing of liquids only through approved dispensing systems



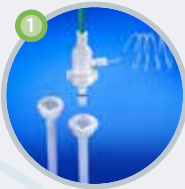
	POLY IBC UC 1000	POLY IBC UC-S 1000	POLY IBC CD 1000	POLY IBC with banderole
<b>Capacity*</b>	1,000 l / 264 US gal lqd	1,000 l / 264 US gal lqd	1,000 l / 264 US gal lqd	1,000 l / 264 US gal lqd
<b>Dimensions*</b>	1,200 × 1,000 × 1,165 mm 47 × 39 × 46 in	1,200 × 1,000 × 1,165 mm 47 × 39 × 46 in	1,200 × 1,000 × 1,165 mm 47 × 39 × 46 in	1,200 × 1,000 × 1,165 mm 47 × 39 × 46 in
<b>Weight*</b>	96 kg / 212 lbs	96 kg / 212 lbs	97 kg / 214 lbs	97 kg / 214 lbs
<b>Filling holes*</b>	3 × 562 × 5 mm	3 × 562 × 5 mm	3 × 562 × 5 mm	3 × 562 × 5 mm
<b>Pallets welded* (100% secondary containment)</b>	optional	optional	optional	optional
<b>UN approval*</b>	31HH1/Y/...BAM 6808-RIKUTEC/3314/2070	31HH1/Y/...BAM 6808-RIKUTEC/3314/2070	31HH1/Y/...BAM 6435-RIKUTEC/0/2070	31HH1/Y/.../BAM 14783-RIKUTEC/0/2058
<b>Cover*</b>	white	black	conductive	conductive

\* Errors and technical changes reserved

# ACCESSORIES

- 1** **DIP TUBE, NON CONDUCTIVE**  
for POLY IBC UC/UC-S 1000 and UC drum
- available with compensator to ensure almost 100% dispensing
  - pin-coding system
- 2** **DIP TUBE, CONDUCTIVE**  
for POLY IBC CD 1000 and CD drum
- eligible for flammable chemicals
  - available with compensator for ensuring 100% chemical dispensing
  - pin-coding system

- 3** **SCREW BUNG S62 × 5 (HDPE)**
- non-vented
  - vented
- 4** **LEAKAGE DETECTOR**
- DIBt approved DIBt Z-65.40-191
  - suitable for highly aggressive goods
- 5** **QUICK CONNECT® DISPENSE system for S62 × 5**
- dip tube
  - filling and recirculation head



# SERVICE

## WE ARE THERE FOR YOU, WORLDWIDE.

Our team of experts is looking forward to hearing from you soon. As an innovative and internationally active enterprise we are striving to provide you with the best service in the wide area of plastic blow moulding.

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Certified to DIN ISO 9001



RIKUTEC Group