FISCHER
BLOW MOLDING. PACKAGING.

CONDUCTIVE CANISTER
Mono- and 3-layer technology

Innovative container solutions – depending on your requirements: mono- or 3-layer technology

In areas where electrostatic charging poses an ignition risk when handling flammable or sensitive liquids, our conductive canisters provide maximum safety – available in both single-layer and advanced three-layer designs.

According to current safety regulations, insulating containers for flammable liquids may only be used up to a volume of 5 litres. For containers exceeding 5 litres, the use of conductive canisters is mandatory.

MAXIMUM SAFETY FOR CRITICAL APPLICATIONS

The use of conductive plastic containers is essential wherever flammable or sensitive liquids must be safely filled, stored or transported – especially in potentially explosive atmospheres (ATEX zones). Our conductive canisters have been specifically developed to meet these demanding requirements.

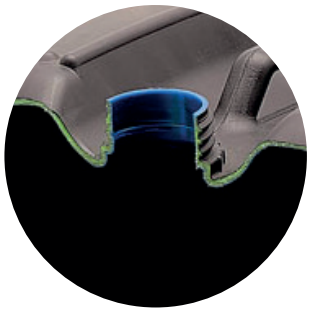
WHY CONDUCTIVE?

In potentially explosive environments – such as in the chemical, pharmaceutical or coatings industry – electrostatic energy can accumulate during filling, transfer or transport. If this energy is not safely dissipated, it can ignite explosive atmospheres.

Our conductive canisters comply with the requirements of explosion protection standards **ATEX 137 / TRBS 2153** and **CENELEC 50404**, making them suitable and, in some cases, mandatory for handling flammable substances of explosion groups **IIA, IIB and IIC**.

WHAT DOES 3-LAYER TECHNOLOGY MEAN?

The canister is manufactured using a co-extrusion blow-moulding process and consists of three precisely matched layers:

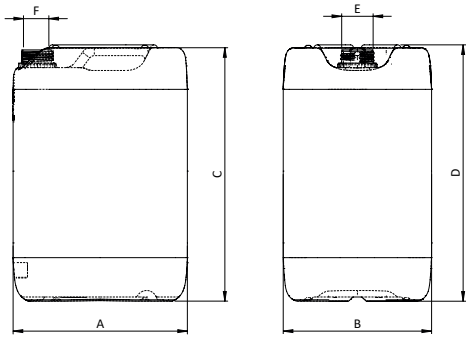


3-LAYER STRUCTURE

- Inner layer = HDPE
- Middle layer = Recyclate
- Outer layer = Conductive

CONDUCTIVE CANISTER (MONO LAYER)
10-liter electrically conductive canister with transparent strip

TECHNICAL SPECIFICATION
Mono- and 3-layer technologie



Article name	Article number	Nominal content in liters	Net weight in grams	Packaging unit		Approximate dimensions in mm					
				per PU	per pallete	A	B	C	D	E	F
1050-K4/UN black conductive, visibility stripe	4867	10	520	20	120	230	190	290	319	DIN 50	41
2060-KE/UN black 3-layer conductive	5169	20	1200	12	60	290	252	370	378	DIN 60	48
2560-KE/UN black 3-layer conductive	6668	25	1300	12	48	290	252	435	439	DIN 60	48
3060-KE/UN black 3-layer conductive	4857	30	1500	12	48	290	252	500	503	DIN 60	48

MATERIAL
- Base material polyethylene (HDPE)
- Conductive material dyed black
- Process-related re-granulate of the same batch (closed circuit, no recycling material from other batches)

DESIGN
- Reliable packaging for fluid filling materials of packaging groups I, II and III (X, Y and Z)
- Packaging for flammable liquids
- Low water vapor permeability
- Corrosion resistant
- High resistance to chemicals and acids
- Standard design: Black

APPLICATIONS
- Explosion protection
- Flavors and fragrances
- Cleaning agents
- Disinfectants
- Foods (fatty, acidic, aqueous, alcoholic)
- Active pharmaceutical ingredients

ENVIRONMENT
- Recycling of non-contaminated HDPE possible
- HDPE can be destroyed without any adverse consequences
- Effective removal of residues is guaranteed
- Only materials free of heavy metals are used

PRODUCTION / QUALITY ASSURANCE
- ISO 9001 certified
- BRC production
- Low-germ filtered blown air
- Controlled production (particles, microbiology, migration)
- Hygiene standards

APPROVAL
- Explosion protection standard ATEX 137/TRBS2153 and CENELEC 50404
- 2002/72/EG
- Consumer goods ordinance
- UN recommendations on the Transport of Dangerous Goods according to ADR/SDR, RID/RSD, IATA
- Declaration of conformity according to EU/10/201

ASSIMILATION
- Water
- Acetic acid
- Wetting agent
- Mixture of hydrocarbons
- n-Butyl acetate
- Nitric acid 55 %

STORAGE STABILITY (WITHOUT FILLING MATERIAL)
- When stored correctly (dry, out of sunlight and at temperatures between 5° and 30° C), the product can be kept for up to two years after the production date.

CLOSURE AND ACCESSORIES
- Screw cap art. 4538 DIN 50-D-PE/G black SR tightening torque 8 – 12 Nm
- Screw cap art. 4557 DIN 60-D-PE/G black SR tightening torque 12 – 14 Nm
- See accessories sheet for further information

PALLETIZATION
- Euro pallet (class A) 80 x 120 cm
- 1050-K4 pallet height approx. 200 cm
- 2060-KE pallet height approx. 200 cm
- 2560-KE pallet height approx. 190 cm
- 3060-KE pallet height approx. 220 cm

FISCHER BLOW MOLDING. PACKAGING.
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