Bischof+Klein®

PowFlex® ffs eo premium powder packaging

PowFlex® ffs eo is an innovative additional version of the familiar PowFlex® Premium design. Each sack section is equipped with tear-open perforations for opening the sack and forming a pouring opening. An optional adhesive strip can be applied on the sack to close it after removing part of the product. As material on reels, PowFlex® ffs powder packaging is a proven alternative to converted sack packaging (10 – 50 kg). Form, fill, and seal – with one automatic packaging machine. The right solution for any powder!

Fundamental advantages for you and your customers

+ FFS – forming, filling, and sealing in one operation for fine powders
+ Optimum protection of your products
+ Excellent ventilation during and after product filling
+ High machine outputs
+ Clean product filling
+ Unproblematic and efficient palletization
+ Low transport and storage volume
+ Various laminated materials possible
+ Attractive product presentation
+ Packaged in film – “secure in all kinds of weather”
+ Clean transport
+ Longer product shelf life
+ Packaging resealable after partial product removal
+ Simple and segregated packaging disposal
+ Use of recycled material possible

PowFlex® premium powder packaging consists of 100 % PE – single-origin and completely recyclable.

Industries

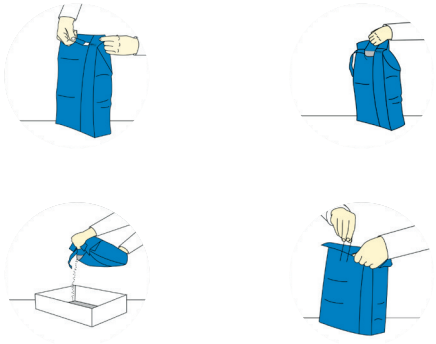
Agriculture + horticulture

Construction

Chemicals + petrochemicals

Foodstuffs

Easy opening and resealable closure function



Size ranges

Sack width	Side gusset width	Cut-off length	Material thickness	Opening perforation
195 – 450 mm ± 5 mm	60 – 220 mm ± 5 mm	300 – 1,350 mm ± 5 mm	120 – 140 µm ± 5 %	Max. length: 210 mm

Mechanical values (140 MY PE coex film)

Coefficient of friction (COF)	µs 0.5 / µd 0.4 ± 0.05	DIN EN ISO 8295 / ASTM D 1894
Tear resistance / elongation at tear	≥ 80 N/15 mm longitudinally / transversely ≥ 500 % longitudinally / transversely	DIN EN ISO 527
Elmendorf	≥ 1,200 cN longitudinally / ≥ 2,200 cN transversely	DIN EN 21 974 / ASTM D 1922
Creep test	≤ 45 % longitudinally / transversely (50°C / d = 5 / 1.3 kg)	Bischof+Klein in-house test method
Water vapor permeability	0.35 g/m² x d (23°C / 85 % r.h.)	ASTM F 1249-90;DIN EN ISO 15106-2

Design description

+ Ventilation through channel – labyrinth system (separate inflow strip – individual widths possible)
+ Indirect ventilation = high moisture protection
+ Sealing not possible in the ventilation channel due to the separating strip
+ Suitable for pattern repeat printing

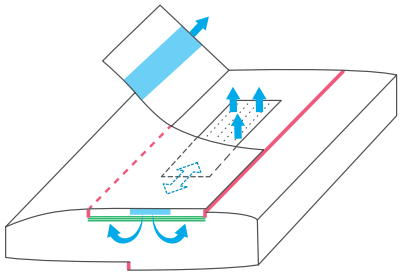
Additional equipment

+ UN approval
+ UV protection for 12 months
+ Antistatic equipment
+ Different film colors
+ Various film structures
+ Printing with up to 8 colors

Packaging

+ Reel material on plastic cores Ø 150 mm
+ Maximum reel diameter 1,350 mm* (depending on the width and side gusset width of the film)
+ 3 – 4 reels on a pallet 1,000 x 1,200 mm* (depending on the width of the reels)
+ Protectively packaged with black film hood, strapped with plastic bands, and stretch wrapped

PowFlex® premium fl – for fixed sack lengths



PE-inflow strip | Slitted perforation | Separating strip | Air flow

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02 / 2023